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Cambridge, Mass.

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SAO Special Report No. 148

CATALOG OF PRECISELY REDUCED OBSERVATIONS

No. P-12

Compiled by Phyllis Stern, Data Division

Smithsonian Institution
Astrophysical Observatory

Cambridge, Massachusetts 02138

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INTRODUCTION[1]

This catalog is the twelfth in the series of SAO Special Reports listing the positions of artificial satellites as obtained by the SAO Photoreduction Division from the precise reduction of the films taken at the 12 Baker-Nunn Camera Stations. These catalogs appear regularly and in the same form, each covering periods of six months of observations on satellites tracked by the Observatory. Each catalog includes all precisely reduced observations made during that period that have been checked and found to be without significant errors.

Approximately 1500 to 2000 new reductions are completed each month. These observations can be independently checked by determining their residuals from the best obtainable orbits. In practice, however, this is not so simple since the best orbits can be obtained only by the use of the same observations that are being checked. Thus we compute orbits regularly from only the precisely reduced observations, and correct those that deviate considerably from the orbits. Finally, the positions are used again to test whether or not their new residuals meet standards for publication.

Only orbits with a standard deviation σ of one observation not exceeding $\pm$ 20" are used as reference; on the average, the standard deviation is only between $\pm$ 5" and $\pm$ 10". All observations with residuals larger than $\pm$ 10" are examined to find whether the error is due to the observation or to the poor accuracy of the orbit.

The present catalog includes 109 observations of Satellite 1960 β1 (Rocket Body of Tiros 1), 258 observations of Satellite 1960 β2 (Tiros 1), 1633 observations of Satellite 1961 o1 (Transit 4A), and 1376 observations of Satellite 1961 o2 (Injun-Solar Rad 3). All reliable observations reduced for the period listed in the Table of Contents have been included.

[1]This work was supported by grant NsG 87-60 from the National Aeronautics and Space Administration.

All the observations in this catalog have been checked by the procedure described above, and have small residuals with respect to the obtained orbits. The mean orbital elements obtained from them will be published shortly in a separate SAO Special Report.

The observations (both in position and in time) were reduced essentially by the same method as that explained by the late K. Lassovszky in SAO Special Report 41 (Lassovszky et al., 1960). All the measurements have been made with two-screw comparators of the Mann type.

Although the Baker-Nunn cameras can achieve an accuracy better than ± 2" in the positions (Lassovszky, 1961), the average results may not be so good. Until every position can be given with its proper uncertainty as obtained from the reduction, a standard deviation of ± 4" is assigned to all positions. Four seconds of arc is probably an upper limit on the standard deviation of one position.

The time accuracy of the observations depends primarily on the stability of the station clock and on the reception of the time signals. Uncertainties have been estimated according to these criteria; they vary from ± 0.5 msec to ± 20 msec, with an average value of ± 2 msec.

In order to expedite processing of the observations, it has been found necessary to employ a "smoothed preliminary" A.1 time system in the reductions. The "A.1" times reported for all observations in this catalog have been derived by employing the following reductions from the WWV emitted time system to our "smoothed preliminary" A.1 system:

For the Period		A.1-WWV Emitted
1962 Jan. 01.0	1962 Apr. 01.0	$1^s.865\ 000 + 0.001\ 123\ 200\ (t - 37{,}650.0)$
1962 Apr. 01.0	1962 July 01.0	$1.864\ 620 + 0.001\ 126\ 800\ (t - 37{,}650.0)$
1962 July 01.0	1963 Jan. 01.0	$1.864\ 704 + 0.001\ 126\ 370\ (t - 37{,}650.0)$

where t is in Modified Julian Days, i.e., Julian Days minus 2,400,000.5 days.

The format of the catalog is as follows:

The first column gives the year, month and day of the observation.

The second column gives the time of the observation in hours, minutes and seconds in the "smoothed preliminary" A.1 system defined above.

The third column gives the root mean-square (standard error) of the time expressed in milliseconds.

The fourth gives the topocentric right ascension expressed in hours, minutes and seconds of time; and the fifth, the topocentric declination in degrees, minutes and seconds of arc. These positions refer to the mean equator and equinox of 1950.0. Since the reference stars were not reduced to a common catalog system, it is not easy to define the R.A. and Decl. system. The errors that result from not using a common reference system are certainly less than one second of arc; Special Report 41 (Lassovszky et al., 1960) gives a list of the star catalogs used, arranged according to the declination zone of each. The positions have not been corrected for parallactic refraction (this correction will hardly ever exceed 2 seconds of arc).

The sixth column gives the standard error (RMS) of the position expressed in seconds of arc, always four in this catalog.

The seventh column gives the number and name of the Baker-Nunn station; the name is occasionally abbreviated. The positions of the stations are given in SAO Special Report 59 (Veis, 1961).

The eighth column gives the film and frame number.

The ninth column gives in abbreviation the name of the measurer.

The tenth column gives the observation number assigned by SAO.

This catalog is the result of the work of many members of the staff of the Satellite Tracking Program of the Smithsonian Astrophysical Observatory, who contributed in different capacities. The laborious final checking and preparation for publication were done by Miss Phyllis Stern, Mrs. Janice MacDonald and members of the Data Section, Photoreduction Division.

February 1964

References

LASSOVSZKY, K.
1961. On the accuracy of measurements made upon films photographed by Baker-Nunn satellite tracking cameras. Smithsonian Astrophys. Obs., Special Report No. 74.

LASSOVSZKY, K., et al.
1960. Catalogue of precise satellite positions. Smithsonian Astrophys. Obs., Special Report No. 41.

VEIS, G.
1961. The positions of the Baker-Nunn camera stations. Smithsonian Astrophys. Obs., Special Report No. 59.

CATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1960	4	5	4	59	40.4346	1	20	0	10.68	-13	55	24.6	4	9004	S.FERNANDO	1424	45	DU	6
	4	10	10	36	56.962	3	16	32	41.45	37	25	46.9	4	9001	ORGAN PASS	1874	5	LU	9
	4	10	10	37	36.534	3	18	10	43.80	49	8	23.3	4	9001	ORGAN PASS	1874	15	LU	1
	4	10	10	38	25.856	3	20	20	34.96	53	28	49.7	4	9001	ORGAN PASS	1874	23	LU	31
	4	10	22	12	7.205	3	18	26	32.02	74	56	54.3	4	9006	NAINI TAL	1261	18	WL	2779
	4	10	22	12	11.318	3	18	48	21.42	75	5	46.6	4	9006	NAINI TAL	1261	20	WL	2780
	4	11	23	0	32.394	3	11	26	23.00	44	51	14.6	4	9006	NAINI TAL	1269	9	GO	5899
	4	11	23	2	15.969	3	10	16	46.08	68	23	45.5	4	9006	NAINI TAL	1269	27	GO	5900
	4	14	3	55	26.7884	1	12	35	11.88	63	33	32.8	4	9004	S.FERNANDO	1461	3	HU	10
	4	14	3	55	29.1986	1	12	36	23.07	64	30	43.9	4	9004	S.FERNANDO	1461	4	HU	12
	4	15	4	46	52.5073	1	8	58	13.17	73	52	59.6	4	9004	S.FERNANDO	1470	4	LU	20
	4	15	4	47	4.5070	1	8	15	35.76	75	45	59.1	4	9004	S.FERNANDO	1470	7	SR	9111
	4	15	4	47	12.5067	1	7	41	23.29	76	40	53.0	4	9004	S.FERNANDO	1470	9	LU	25
	4	16	3	52	49.7460	1	10	28	37.95	66	9	19.3	4	9004	S.FERNANDO	1478	10	RP	1955
	4	16	3	53	11.7656	1	9	58	13.32	72	32	3.7	4	9004	S.FERNANDO	1478	18	RP	1953
	4	16	3	53	21.7654	1	9	35	32.05	75	16	15.6	4	9004	S.FERNANDO	1478	23	RP	1954
	4	18	9	50	5.469	1	13	52	0.69	-68	45	7.8	4	9003	WOOMERA	2601	14	LW	4485
	4	18	9	50	11.470	1	13	50	20.55	-66	44	52.7	4	9003	WOOMERA	2601	17	LW	2607
	4	18	9	50	35.828	1	13	46	25.48	-58	34	25.0	4	9003	WOOMERA	2601	22	LW	2608
	4	18	18	46	31.817	1	4	48	34.11	72	58	20.2	4	9005	TOKYO	1383	10	SR	7940
	4	18	23	1	8.095	1	0	41	49.33	-76	9	10.4	4	9011	V.DOLORES	921	14	DU	5021
	4	18	23	3	3.009	1	13	27	26.78	-69	31	31.8	4	9011	V.DOLORES	921	21	AF	2605
	4	18	23	3	16.117	1	13	26	1.79	-64	57	35.5	4	9011	V.DOLORES	922	2	DU	5032
	4	19	4	41	59.2453	1	6	39	21.02	74	43	40.1	4	9004	S.FERNANDO	1502	4	PC	2955
	4	19	4	42	11.2459	1	5	52	8.67	74	58	38.6	4	9004	S.FERNANDO	1502	7	PC	2956
	4	19	17	16	12.988	1	12	45	24.95	-74	37	1.3	4	9002	OLFANTSFTN	1500	6	CA	5022
	4	19	17	16	47.005	1	13	5	32.64	-63	12	49.7	4	9002	OLFANTSFTN	1500	12	CA	5023
	4	20	3	47	55.7380	1	7	58	30.62	70	24	24.0	4	9004	S.FERNANDO	1508	3	LU	23
	4	20	3	48	7.7385	1	7	28	10.91	72	11	26.2	4	9004	S.FERNANDO	1508	6	LU	22
	4	20	3	48	31.9567	1	6	7	51.91	74	32	42.3	4	9004	S.FERNANDO	1508	10	LU	21
	4	20	9	47	34.639	1	10	27	13.24	-55	33	57.6	4	9003	WOOMERA	2609	14	PG	29
	4	20	9	47	38.641	1	10	34	58.43	-53	58	15.6	4	9003	WOOMERA	2609	16	PG	30
	4	20	9	48	5.211	1	11	14	53.09	-42	52	13.9	4	9003	WOOMERA	2609	23	PG	1950
	4	21	4	39	44.2616	1	4	30	44.52	76	53	10.8	4	9004	S.FERNANDO	1517	4	AY	7562
	4	21	4	40	18.8945	1	2	31	57.30	71	18	7.8	4	9004	S.FERNANDO	1517	11	AY	7563
	4	21	4	40	26.8944	1	2	15	14.68	69	33	27.7	4	9004	S.FERNANDO	1517	13	AY	7564
	4	22	9	44	39.488	1	7	27	29.23	-20	34	49.8	4	9003	WOOMERA	2618	9	WT	1951
	4	22	9	44	47.487	1	7	41	49.70	-18	8	45.5	4	9003	WOOMERA	2618	13	WT	1962
	4	22	9	45	8.207	1	8	17	22.83	-11	28	25.4	4	9003	WOOMERA	2618	16	WT	1957
	4	23	2	52	26.4901	1	5	6	14.57	74	43	52.2	4	9004	S.FERNANDO	1531	12	BL	5024
	4	24	1	58	51.3694	1	5	4	46.51	75	7	46.3	4	9004	S.FERNANDO	1542	4	CY	2304
	4	24	1	59	33.6986	1	2	16	11.48	74	15	10.2	4	9004	S.FERNANDO	1542	13	CY	2303
	4	25	2	50	30.2568	1	1	55	16.16	72	37	53.8	4	9004	S.FERNANDO	1550	10	PR	4348
	4	25	2	50	38.2521	1	1	34	19.54	71	17	4.6	4	9004	S.FERNANDO	1550	12	PR	2777
	4	25	4	35	6.0408	1	21	51	7.85	67	2	18.7	4	9004	S.FERNANDO	1557	7	PC	3105

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME	NO.	MS	OBS.NO.
1960	4	25	4	35	10.0412	1	21	56	32.90	65	23	30.2	4	9004	S.FERNANDO	1557	9	PG	3104
	4	25	4	35	30.2422	1	22	16	26.96	57	2	7.4	4	9004	S.FERNANDO	1557	17	PG	3103
	4	25	11	12	27.396	3	23	54	0.30	63	33	20.6	4	9001	ORGAN PASS	1938	11	YK	2288
	4	29	2	44	48.4053	1	22	26	53.15	83	11	42.1	4	9004	S.FERNANDO	1570	4	PR	4349
	4	29	2	45	0.4061	1	22	11	2.29	78	56	19.1	4	9004	S.FERNANDO	1570	10	PR	2302
	4	29	2	45	10.4069	1	22	5	15.11	75	18	30.8	4	9004	S.FERNANDO	1570	15	PR	4350
	4	29	12	25	41.025	3	8	22	32.26	74	38	26.9	4	9005	TOKYO	1426	12	LU	7777
	4	29	22	21	23.5680	1	7	11	44.60	69	2	28.3	4	9004	S.FERNANDO	1581	6	LU	4830
	4	29	22	21	42.4509	1	7	5	10.94	75	49	12.8	4	9004	S.FERNANDO	1581	10	SK	7779
	4	29	22	21	46.4506	1	7	2	42.19	77	14	37.7	4	9004	S.FERNANDO	1581	12	LU	27
	5	3	10	35	31.595	3	8	11	24.54	59	15	52.9	4	9005	TOKYO	1457	5	YK	8714
	5	5	19	28	17.332	.3	22	8	12.50	28	10	27.0	4	9003	WOOMERA	2669	12	DD	6870
	5	5	19	29	29.846	.3	23	6	57.69	15	9	37.3	4	9003	WOOMERA	2669	23	DD	6871
	5	5	20	28	56.6933	1	4	30	28.90	71	34	17.9	4	9004	S.FERNANDO	1603	5	PG	2957
	5	5	20	29	12.7948	1	4	2	1.06	76	25	49.1	4	9004	S.FERNANDO	1603	10	PG	2949
	5	5	22	13	47.9317	1	1	56	3.61	74	24	33.7	4	9004	S.FERNANDO	1607	5	WL	3502
	5	5	22	13	55.9318	1	1	26	30.72	74	56	4.0	4	9004	S.FERNANDO	1607	7	WL	3501
	5	5	22	14	30.2671	1	23	15	13.72	74	3	44.7	4	9004	S.FERNANDO	1607	14	WL	3500
	5	6	20	18	10.463	1	19	10	47.39	0	29	52.8	4	9003	WOOMERA	2676	3	CR	2963
	5	6	20	18	41.805	1	19	52	36.74	- 9	42	32.6	4	9003	WOOMERA	2676	12	CR	2660
	5	6	20	19	52.682	1	22	6	56.06	-33	52	30.8	4	9003	WOOMERA	2676	22	CR	2964
	5	6	21	20	45.8914	1	23	29	31.86	75	35	54.2	4	9004	S.FERNANDO	1617	17	AY	5911
	5	7	19	24	30.353	1	19	48	1.80	24	27	38.7	4	9003	WOOMERA	2682	5	RP	3496
	5	7	19	25	10.404	1	20	35	45.67	16	14	28.1	4	9003	WOOMERA	2682	16	RP	3495
	5	7	19	25	51.762	1	21	29	40.38	5	54	15.8	4	9003	WOOMERA	2682	26	RP	3494
	5	7	20	26	46.8520	1	1	3	58.58	76	52	6.3	4	9004	S.FERNANDO	1627	12	YK	4351
	5	7	22	11	51.4375	1	22	16	16.55	73	59	35.6	4	9004	S.FERNANDO	1630	12	YK	3879
	5	7	22	12	7.4365	1	21	32	27.66	71	16	57.7	4	9004	S.FERNANDO	1630	16	YK	3880
	5	8	21	17	21.3177	1	1	31	46.22	73	51	4.0	4	9004	WOOMERA	1640	5	CY	3189
	5	8	21	17	47.7509	1	23	52	54.75	75	19	10.7	4	9004	S.FERNANDO	1640	10	CY	3190
	5	8	21	18	22.3497	1	21	48	36.94	72	47	42.9	4	9004	S.FERNANDO	1640	17	CY	3191
	5	11	22	6	39.3468	1	17	47	33.30	70	20	45.9	4	9004	S.FERNANDO	1659	11	LU	3272
	5	11	22	6	43.3518	1	17	48	21.38	68	50	36.1	4	9004	S.FERNANDO	1659	13	LU	3106
	5	11	22	6	56.3320	1	17	50	38.89	63	59	9.2	4	9004	S.FERNANDO	1659	17	LU	3276
	5	16	21	7	28.0371	1	13	26	2.68	50	17	2.7	4	9004	S.FERNANDO	1691	13	PG	3102
	5	16	21	7	30.0371	1	13	30	36.84	49	32	32.2	4	9004	S.FERNANDO	1691	14	PG	2952
	5	20	6	8	25.558	1	17	26	28.75	59	41	9.9	4	9012	MAUI	1980	5	SR	5471
	5	20	6	9	11.380	1	17	14	50.21	48	56	16.1	4	9012	MAUI	1980	18	SR	5472
	5	22	11	2	18.960	1	9	23	12.61	-12	23	24.4	4	9005	TOKYO	1509	9	FN	7781
	5	23	6	56	15.618	1	10	28	0.78	- 3	15	21.1	4	9012	MAUI	1998	6	RS	2783
	5	23	6	56	34.679	1	10	51	51.05	- 9	18	59.3	4	9012	MAUI	1998	16	RS	2782
	5	23	6	56	47.647	1	11	8	7.11	-13	22	6.2	4	9012	MAUI	1998	24	RS	2781
	5	24	6	6	0.409	1	14	51	28.76	-25	4	28.5	4	9012	MAUI	2007	35	SA	2295
	5	24	6	6	6.558	1	14	54	37.62	-25	50	39.7	4	9012	MAUI	2007	38	SA	2488
	5	26	5	59	46.577	1	9	20	51.25	-10	15	38.9	4	9012	MAUI	2019	12	FI	5473

CATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.	MS	OBS.NO.
1960	5	27	9	6	51.119	1	0	48	8.26	-72	13	36.2	4	9011	V.DOLORES	1097 7	AF	3273
	5	27	9	8	39.002	1	1	35	16.51	-31	45	3.0	4	9011	V.DOLORES	1097 22	DD	7566
	5	28	5	57	14.11[illegible]	1	8	29	1.00	-32	4	45.2	4	9012	MAUI	2034 19	CA	2291
	5	28	5	57	27.46[illegible]	1	8	37	39.20	-34	34	4.5	4	9012	MAUI	2034 21	CA	2292
	5	28	5	57	33.47[illegible]	1	8	41	35.58	-35	39	27.8	4	9012	MAUI	2034 24	CA	2290
	5	28	9	58	11.92[illegible]	3	3	3	15.51	-70	16	30.7	4	9007	AREQUIPA	1646 13	ZL	5474
	5	28	9	58	58.87[illegible]	3	2	51	50.62	-58	50	48.3	4	9007	AREQUIPA	1646 18	ZL	5475
	5	29	2	27	45.25[illegible]	1	2	4	21.67	-51	3	0.8	4	9002	OLFANTSFTN	1649 5	DD	2773
	5	29	2	28	5.68[illegible]	1	2	2	10.34	-45	1	35.7	4	9002	OLFANTSFTN	1649 9	DD	2772
	5	29	2	28	9.69[illegible]	1	2	1	52.86	-43	51	59.1	4	9002	OLFANTSFTN	1649 11	DD	2965
	5	30	3	17	20.30[illegible]	1	20	13	50.76	-36	0	42.6	4	9002	OLFANTSFTN	1661 6	AF	2609
	5	30	3	17	54.98[illegible]	1	21	23	30.39	-23	46	26.4	4	9002	OLFANTSFTN	1661 12	AF	2771
	5	30	3	18	20.28[illegible]	1	22	6	50.69	-13	27	8.4	4	9002	OLFANTSFTN	1661 17	AF	2774
	5	31	0	11	59.86[illegible]	3	11	21	38.41	5	50	55.6	4	9007	AREQUIPA	1658 15	DD	5029
	5	31	23	19	16.41[illegible]	3	13	37	5.96	16	31	53.8	4	9007	AREQUIPA	1669 14	DD	3499
	5	31	23	19	34.327	3	13	55	7.60	11	10	28.0	4	9007	AREQUIPA	1669 17	DD	3497
	5	31	23	20	7.353	3	14	26	30.38	1	38	47.2	4	9007	AREQUIPA	1669 19	DD	3498
	6	1	9	53	39.007	1	21	10	57.26	- 4	20	0.4	4	9007	AREQUIPA	1675 16	SA	5187
	6	1	9	54	15.56[illegible]	1	22	4	37.10	10	18	37.8	4	9007	AREQUIPA	1675 19	SA	5188

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME	NO.	MS	OBS.NO.
1960	4	5	5	0	14.0598	1	20	6	44.93	-12	36	10.6	4	9004	S.FERNANDO	1424	47	DU	2
	4	5	5	0	18.8571	1	20	11	43.26	-11	42	43.7	4	9004	S.FERNANDO	1424	48	DU	6
	4	6	19	2	48.090	3	20	53	28.71	11	32	24.4	4	9005	TOKYO	1355	24	LW	7773
	4	8	18	59	32.591	1	18	47	3.91	37	5	54.8	4	9005	TOKYO	1365	27	DU	7784
	4	9	18	7	37.911	1	20	37	42.62	21	39	28.2	4	9005	TOKYO	1371	25	LU	6110
	4	10	4	1	55.7687	1	17	39	34.94	14	58	50.3	4	9004	S.FERNANDO	1441	26	WT	17
	4	10	4	1	57.7700	1	17	43	11.56	15	32	54.6	4	9004	S.FERNANDO	1441	27	WT	16
	4	10	4	2	17.4869	1	18	20	3.07	20	53	3.7	4	9004	S.FERNANDO	1441	30	WT	14
	4	12	3	59	29.9402	1	15	29	38.51	50	16	42.2	4	9004	S.FERNANDO	1455	22	DU	8
	4	12	3	59	39.9567	1	15	53	36.20	54	6	27.8	4	9004	S.FERNANDO	1455	25	DU	5278
	4	12	3	59	43.9564	1	16	4	21.52	55	32	38.8	4	9004	S.FERNANDO	1455	27	DU	7
	4	14	3	56	56.2352	1	12	27	34.54	60	45	26.6	4	9004	S.FERNANDO	1461	11	HU	7
	4	14	3	57	35.8215	1	12	51	18.68	76	16	30.2	4	9004	S.FERNANDO	1461	14	HU	3
	4	14	3	57	38.2346	1	12	54	15.25	77	12	17.8	4	9004	S.FERNANDO	1461	15	HU	6
	4	15	4	48	39.3446	1	8	55	4.94	73	52	32.0	4	9004	S.FERNANDO	1470	13	SR	9114
	4	15	4	49	3.3442	1	7	19	37.51	76	52	59.0	4	9004	S.FERNANDO	1470	19	SR	9115
	4	15	4	49	3.3442	1	7	19	37.51	76	52	59.0	4	9004	S.FERNANDO	1470	19	SR	9115
	4	16	3	55	10.3349	1	9	46	43.93	73	29	19.4	4	9004	S.FERNANDO	1479	12	PC	2
	4	16	3	55	25.2199	1	9	3	41.31	77	16	31.3	4	9004	S.FERNANDO	1479	18	PC	5
	4	16	3	55	47.2221	1	7	1	44.58	81	6	13.9	4	9004	S.FERNANDO	1479	26	PC	4
	4	19	2	59	48.8158	1	7	49	8.98	76	41	58.1	4	9004	S.FERNANDO	1500	3	YK	2225
	4	19	2	59	54.8160	1	7	24	2.79	77	49	35.6	4	9004	S.FERNANDO	1500	6	YK	2226
	4	19	3	0	14.5336	1	5	31	2.72	80	1	3.5	4	9004	S.FERNANDO	1500	12	YK	2224
	4	20	3	51	27.3961	1	4	38	41.80	74	31	34.4	4	9004	S.FERNANDO	1508	18	LU	4726
	4	20	3	51	35.3951	1	4	9	40.17	73	59	46.2	4	9004	S.FERNANDO	1508	20	LU	24
	4	23	2	56	6.9820	1	2	44	51.37	72	56	40.7	4	9004	S.FERNANDO	1532	8	PC	2786
	4	24	2	2	33.6820	1	2	59	24.79	75	7	51.5	4	9004	S.FERNANDO	1543	10	PC	2787
	4	24	2	2	49.6808	1	2	3	44.66	73	34	45.8	4	9004	S.FERNANDO	1543	14	SK	5481
	4	25	2	54	12.3652	1	1	7	47.97	69	3	26.6	4	9004	S.FERNANDO	1551	9	SK	6373
	4	25	11	15	52.846	3	23	46	16.88	63	25	0.1	4	9001	ORGAN PASS	1939	7	PC	2971
	4	25	11	16	29.367	3	23	39	4.55	51	17	18.4	4	9001	ORGAN PASS	1939	16	SK	5903
	4	25	22	50	53.348	3	0	12	40.58	61	34	37.3	4	9006	NAINI TAL	1331	5	YK	2968
	4	25	22	51	1.369	3	0	8	58.00	59	13	25.7	4	9006	NAINI TAL	1331	7	YK	2969
	4	25	22	51	9.394	3	0	5	52.55	56	52	9.5	4	9006	NAINI TAL	1331	9	YK	2967
	4	28	21	34	50.3335	1	11	33	12.98	43	6	51.9	4	9004	S.FERNANDO	1561	4	PC	2221
	4	28	21	35	9.2675	1	12	22	41.41	48	24	27.2	4	9004	S.FERNANDO	1561	10	PC	2220
	4	28	21	35	13.2675	1	12	33	58.10	49	18	43.1	4	9004	S.FERNANDO	1561	12	PC	2222
	4	29	0	47	27.7556	1	12	44	6.74	1	22	13.8	4	9010	JUPITER	1122	27	FN	5040
	4	29	1	5	41.4294	1	23	12	49.73	63	21	54.3	4	9004	S.FERNANDO	1566	12	BL	6119
	4	30	13	38	38.526	3	23	1	44.22	48	54	52.7	4	9012	MAUI	1847	7	SK	5485
	5	1	7	46	49.1701	1	22	28	16.21	53	20	5.0	4	9010	JUPITER	1144	3	YK	4358
	5	1	7	46	57.1706	1	22	26	49.64	51	1	17.3	4	9010	JUPITER	1144	7	YK	4359
	5	2	13	35	51.019	3	20	28	41.25	49	2	39.7	4	9012	ORGAN PASS	1860	17	AA	3279
	5	2	20	29	43.440	1	23	23	52.93	25	9	40.7	4	9003	WOOMERA	2652	20	FI	5486
	5	3	10	40	2.972	1	7	26	48.24	52	21	57.7	4	9005	TOKYO	1458	3	SK	7786

CATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME	NO.	MS	OBS.NO.
1960	5	5	3	1	5.425	1	21	57	11.82	23	0	22.8	4	9002	OLFANTSFTN	1535	2	DD	5043
	5	6	20	24	41.105	1	20	24	36.51	-25	39	21.8	4	9003	WOOMERA	2677	13	FI	5045
	5	6	20	24	41.105	1	20	24	37.02	-25	39	26.5	4	9003	WOOMERA	2677	11	RI	3967
	5	7	2	58	10.665	1	19	16	38.14	2	29	14.0	4	9002	OLFANTSFTN	1546	4	SA	5178
	5	7	2	58	59.370	1	20	31	44.95	-15	29	42.0	4	9002	OLFANTSFTN	1546	13	ZL	2784
	5	7	19	30	47.999	1	20	19	33.38	14	17	6.8	4	9003	WOOMERA	2683	8	DD	3679
	5	7	19	32	39.424	1	22	55	15.34	-14	26	19.6	4	9003	WOOMERA	2683	22	DD	5189
	5	8	20	22	32.274	1	17	38	4.53	-63	4	40.4	4	9003	WOOMERA	2690	23	RP	2970
	5	11	9	32	42.348	3	15	1	48.00	-53	3	3.2	4	9011	V.DOLORES	1027	3	FI	5488
	5	11	9	33	21.479	3	14	47	21.53	-65	42	3.4	4	9011	V.DOLORES	1027	15	FI	5489
	5	11	9	33	57.950	3	14	4	15.04	-77	6	34.6	4	9011	V.DOLORES	1027	25	FI	5490
	5	17	3	52	39.862	3	15	19	59.42	51	3	35.7	4	9001	ORGAN PASS	2073	7	WL	3284
	5	17	3	52	41.862	3	15	22	10.51	50	14	1.2	4	9001	ORGAN PASS	2073	8	WL	3283
	5	17	3	52	53.562	3	15	33	34.63	45	25	41.1	4	9001	ORGAN PASS	2073	11	WL	3285
	5	17	7	11	12.674	1	19	38	33.69	76	36	19.5	4	9012	MAUI	1948	2	SR	6242
	5	19	7	9	47.230	3	15	49	10.65	66	13	18.3	4	9012	MAUI	1972	9	SR	5270
	5	20	6	16	44.480	1	17	14	39.64	60	40	47.0	4	9012	MAUI	1981	8	LU	5919
	5	20	21	9	23.2537	1	9	42	23.57	- 7	56	42.5	4	9004	S.FERNANDO	1719	5	ZL	5492
	5	20	21	10	10.7624	1	10	31	0.46	-16	35	59.7	4	9004	S.FERNANDO	1719	18	ZL	5493
	5	22	11	10	59.516	1	9	16	10.93	-13	42	39.4	4	9005	TOKYO	1511	7	BL	7789
	5	25	0	24	59.107	10	11	57	29.51	36	49	34.9	4	9009	CURACAO	1348	5	PG	4489
	5	25	0	25	56.836	3	13	20	6.04	13	18	20.6	4	9009	CURACAO	1348	16	PG	3925
	5	28	3	30	36.025	3	23	26	36.53	-61	13	11.5	4	9002	OLFANTSFTN	1642	2	SA	2620
	5	28	3	30	57.049	3	0	3	30.14	-52	44	37.6	4	9002	OLFANTSFTN	1642	7	SA	2619
	5	28	3	31	18.848	3	0	29	57.27	-43	17	34.1	4	9002	OLFANTSFTN	1642	14	SA	2618
	5	28	10	8	10.993	3	2	31	36.20	-74	54	10.0	4	9007	AREQUIPA	1648	7	JV	5495
	5	28	20	1	41.903	1	21	34	57.03	-33	29	8.7	4	9003	WOOMERA	2788	16	SA	3280
	5	30	3	27	56.829	1	19	54	47.90	-23	3	28.6	4	9002	OLFANTSFTN	1662	9	LW	2974
	5	30	3	28	18.612	1	20	33	21.53	-15	52	40.7	4	9002	OLFANTSFTN	1662	14	LW	2973
	5	30	3	28	50.689	1	21	26	58.12	- 4	6	53.7	4	9002	OLFANTSFTN	1662	24	LW	2972
	5	31	2	35	55.274	1	23	25	56.55	-26	39	16.4	4	9002	OLFANTSFTN	1667	6	RP	5193
	5	31	2	36	17.493	1	23	45	46.68	-17	39	46.3	4	9002	OLFANTSFTN	1667	12	RP	5194
	5	31	23	29	28.244	3	12	14	6.71	24	38	31.6	4	9007	AREQUIPA	1670	10	BL	5053
	6	1	3	25	57.028	1	19	11	45.79	18	45	41.5	4	9002	OLFANTSFTN	1675	13	RW	9117
	6	2	0	20	37.677	3	8	19	54.86	-39	50	2.0	4	9007	AREQUIPA	1678	15	MZ	4836
	6	2	0	20	40.073	3	8	20	50.08	-40	37	18.3	4	9007	AREQUIPA	1678	16	MZ	4837
	6	2	0	20	42.469	3	8	21	46.21	-41	24	48.4	4	9007	AREQUIPA	1678	17	SA	4838
	6	2	16	52	23.260	1	12	33	14.94	9	1	19.3	4	9002	OLFANTSFTN	1687	2	DD	5054
	6	3	9	24	57.239	1	13	6	15.52	17	25	20.7	4	9003	WOOMERA	2812	10	FI	5921
	6	3	17	42	54.026	1	8	24	12.16	-40	18	26.3	4	9002	OLFANTSFTN	1689	11	MZ	3505
	6	4	23	24	38.840	3	7	5	51.83	-39	36	0.3	4	9007	AREQUIPA	1701	11	MZ	3663
	6	4	23	26	13.610	3	7	33	44.02	-67	16	39.2	4	9007	AREQUIPA	1701	23	MZ	3662
	6	5	17	40	32.763	1	6	43	37.09	-49	32	14.1	4	9002	OLFANTSFTN	1702	13	ZL	4152
	6	5	17	41	6.005	1	6	33	21.49	-57	49	28.5	4	9002	OLFANTSFTN	1702	23	ZL	4151
	6	6	16	47	12.220	1	7	12	37.60	-45	53	4.6	4	9002	OLFANTSFTN	1711	19	SA	4354

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME	NO.	MS	OBS.NO.
1960	6	6	16	47	33.359	1	7	16	42.88	-52	57	21.3	4	9002	OLFANTSFTN	1711	24	SA	4355
	6	6	16	48	45.464	1	7	41	56.75	-76	37	24.9	4	9002	OLFANTSFTN	1711	40	SA	4353
	6	7	9	20	0.012	1	8	50	14.92	-47	59	39.4	4	9003	WOOMERA	2839	25	SA	3943
	6	7	9	20	19.587	1	9	17	11.14	-55	57	9.8	4	9003	WOOMERA	2839	30	SA	3281
	6	11	9	16	24.694	1	2	41	44.73	-75	5	39.5	4	9003	WOOMERA	2867	23	FI	5580
	6	15	8	10	11.7448	1	19	38	0.92	39	49	17.8	4	9010	JUPITER	1410	11	FI	3667
	6	15	8	10	35.9637	1	20	32	4.97	49	14	52.6	4	9010	JUPITER	1410	18	FI	3668
	6	15	8	10	41.9624	1	20	47	35.13	51	11	59.1	4	9010	JUPITER	1410	21	FI	3669
	6	19	3	8	43.3149	1	17	59	6.19	56	50	36.2	4	9004	S.FERNANDO	1848	5	RS	3915
	6	19	3	9	1.3152	1	18	40	0.01	64	26	59.6	4	9004	S.FERNANDO	1848	14	RS	3901
	6	19	3	9	7.3150	1	18	58	34.93	66	45	47.6	4	9004	S.FERNANDO	1848	17	RS	3902
	6	21	3	6	10.6921	1	15	9	10.98	65	12	13.8	4	9004	S.FERNANDO	1864	5	LU	5195
	6	21	3	6	20.6920	1	15	4	53.74	68	54	9.2	4	9004	S.FERNANDO	1864	10	LU	5196
	6	21	3	6	44.4917	1	14	42	43.80	77	38	0.4	4	9004	S.FERNANDO	1864	19	LU	7233
	6	22	2	12	55.0503	3	16	36	34.07	62	3	23.8	4	9004	S.FERNANDO	1869	7	LU	3678
	6	22	2	12	59.0504	3	16	42	52.31	63	47	17.9	4	9004	S.FERNANDO	1869	9	LU	3675
	6	22	2	13	11.1697	1	17	7	25.24	68	54	33.7	4	9004	S.FERNANDO	1869	13	LU	3676
	6	22	3	57	25.2023	1	12	43	41.22	70	13	50.1	4	9004	S.FERNANDO	1872	4	LU	5274
	6	22	3	57	33.2021	1	12	23	25.13	71	38	58.2	4	9004	S.FERNANDO	1872	6	LU	3677
	6	24	2	10	26.3377	1	13	49	6.27	68	7	14.2	4	9004	S.FERNANDO	1862A	5	LU	7234
	6	24	2	10	50.0554	1	13	15	34.72	76	3	49.7	4	9004	S.FERNANDO	18621	14	LU	7235
	6	24	2	11	6.0546	1	12	20	17.25	80	55	3.0	4	9004	S.FERNANDO	18621	22	LU	7236
	6	24	3	55	13.0921	1	11	23	42.77	72	8	42.9	4	9004	S.FERNANDO	18651	6	FI	6459
	6	25	1	17	4.0741	1	15	9	19.71	65	0	8.4	4	9004	S.FERNANDO	1881	5	AY	5922
	6	25	17	20	25.028	1	11	0	11.14	-52	42	42.0	4	9002	OLFANTSFTN	1849	7	AF	3504
	6	26	2	8	1.6941	1	12	5	24.57	68	51	36.2	4	9004	S.FERNANDO	1887	5	YK	4361
	6	26	2	8	5.6942	1	11	57	38.62	69	47	30.9	4	9004	S.FERNANDO	1887	7	YK	4362
	6	27	2	59	29.1836	1	10	9	4.44	73	0	12.8	4	9004	S.FERNANDO	1894	5	AY	5923
	6	27	8	58	52.700	1	12	51	2.58	-44	13	14.5	4	9003	WOOMERA	2956	20	FI	3376
	6	27	8	58	56.699	1	12	59	39.36	-42	45	44.9	4	9003	WOOMERA	2956	22	FI	3375
	6	27	23	57	50.777	3	13	31	16.43	-15	34	47.3	4	9007	AREQUIPA	1860	14	AF	3377
	6	27	23	57	51.992	3	13	33	5.05	-15	5	0.6	4	9007	AREQUIPA	1860	15	AF	3378
	6	28	0	20	56.2688	1	13	38	46.42	60	25	8.4	4	9004	S.FERNANDO	1898	3	KS	6120
	6	28	0	21	36.0872	1	13	54	54.06	76	21	51.5	4	9004	S.FERNANDO	1898	18	KS	3671
	6	28	2	5	47.2486	1	10	41	44.57	70	48	24.9	4	9004	S.FERNANDO	1900	4	KS	6121
	6	28	2	6	3.2488	1	9	55	14.10	72	57	56.9	4	9004	S.FERNANDO	1900	8	KS	3672
	6	29	1	12	21.9273	1	10	39	15.39	71	16	51.3	4	9004	S.FERNANDO	1906	5	BL	3907
	6	30	23	25	14.6323	1	12	21	33.72	65	56	57.9	4	9004	S.FERNANDO	1912	4	BL	4839
	6	30	23	25	42.9846	1	12	10	26.94	76	35	39.6	4	9004	S.FERNANDO	1912	14	BL	4840
	7	1	0	52	14.2679	1	12	5	28.57	30	35	42.0	4	9009	CURACAO	1472	4	LO	3928
	7	1	0	52	37.2023	1	12	25	54.34	39	35	8.3	4	9009	CURACAO	1472	10	LO	3927
	7	1	0	52	39.2023	1	12	27	53.60	40	21	37.2	4	9009	CURACAO	1472	11	LO	3926
	7	1	1	10	5.5962	1	9	19	30.32	72	14	57.7	4	9004	S.FERNANDO	1914	5	LO	3908
	7	1	22	31	45.8842	1	13	38	14.21	56	38	36.3	4	9004	S.FERNANDO	1916	5	BL	3911
	7	1	22	32	6.7496	1	14	14	16.33	65	28	31.9	4	9004	S.FERNANDO	1918	13	BL	3912

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.	MS	OBS.NO.
1960	7	1	22	32	23.5804	1	15	4	36.26	71	54	35.8	4	9004	S.FERNANDO	1918 19	BL	3913
	7	2	0	16	9.3364	1	10	22	0.89	67	0	14.2	4	9004	S.FERNANDO	1920 4	LO	5931
	7	2	0	16	25.3307	1	9	50	59.58	70	16	48.2	4	9004	S.FERNANDO	1920 8	LO	5932
	7	2	8	46	15.7150	1	3	58	6.66	53	58	28.9	4	9010	JUPITER	1459 23	SR	5507
	7	2	23	22	47.4096	1	10	25	19.65	67	42	35.3	4	9004	S.FERNANDO	1927 4	SK	5935
	7	3	14	35	19.5519	1	2	22	6.88	49	23	39.5	4	9012	MAUI	2194 23	AY	5936
	7	3	14	36	7.3092	1	2	46	51.21	30	54	51.5	4	9012	MAUI	2194 46	AY	5937
	7	3	22	29	21.9106	1	11	4	53.83	66	52	44.7	4	9004	S.FERNANDO	1934 5	LO	5938
	7	4	8	44	3.5197	1	2	2	13.47	40	31	36.3	4	9010	JUPITER	1473 25	SR	5510
	7	4	21	36	26.3398	1	13	10	28.13	73	55	35.1	4	9004	S.FERNANDO	1944 20	AY	6126
	7	4	23	20	21.6173	1	9	16	33.67	68	11	40.1	4	9004	S.FERNANDO	1947 4	SK	6127
	7	5	7	50	29.2191	1	2	48	45.61	51	29	22.3	4	9010	JUPITER	1478 27	SR	5512
	7	5	22	27	0.2997	1	9	12	3.79	69	19	0.5	4	9004	S.FERNANDO	1953 6	LO	3919
	7	5	22	27	23.1358	1	8	16	10.84	74	22	47.8	4	9004	S.FERNANDO	1953 15	LO	3918
	7	6	21	33	29.7426	1	9	50	30.75	67	52	30.9	4	9004	S.FERNANDO	1960 6	RS	3900
	7	6	21	33	52.5463	1	9	17	31.61	75	3	23.2	4	9004	S.FERNANDO	1960 13	RS	3899
	7	6	21	34	4.5457	1	8	43	31.50	78	33	38.4	4	9004	S.FERNANDO	1960 19	RS	3898
	7	7	7	47	29.8576	1	0	3	37.03	53	27	19.1	4	9010	JUPITER	1490 9	SR	6376
	7	7	7	48	7.6731	1	0	40	13.58	37	2	39.9	4	9010	JUPITER	1490 23	SR	6377
	7	7	22	24	44.5943	1	7	44	27.01	71	15	37.9	4	9004	S.FERNANDO	1970 6	PG	3887
	7	8	21	31	5.8259	1	8	11	36.21	69	13	19.4	4	9004	S.FERNANDO	1978 5	PG	3863
	7	10	21	28	43.7886	1	7	5	51.40	70	19	33.5	4	9004	S.FERNANDO	1995 4	RS	3862
	7	10	21	28	59.7894	1	6	23	13.79	72	39	55.1	4	9004	S.FERNANDO	1995 8	RS	3917
	7	10	21	29	16.5199	1	5	26	30.76	74	17	27.8	4	9004	S.FERNANDO	1995 10	RS	3916
	7	11	22	20	27.8293	1	4	17	20.49	76	8	18.4	4	9004	S.FERNANDO	2002 4	LO	3896
	7	11	22	20	39.8297	1	3	26	9.45	75	15	54.5	4	9004	S.FERNANDO	2002 7	LO	3895
	7	11	22	21	1.8308	1	2	12	33.49	72	5	16.6	4	9004	S.FERNANDO	2002 11	LO	3894
	7	13	22	18	14.5233	1	1	47	45.94	78	22	12.6	4	9004	S.FERNANDO	2015 4	LO	3893
	7	13	22	18	18.5235	1	1	30	43.36	77	28	51.9	4	9004	S.FERNANDO	2015 6	LO	3892
	7	14	21	24	34.7322	1	3	12	19.90	76	56	22.7	4	9004	S.FERNANDO	2022 4	BL	3891
	7	14	21	24	50.7333	1	2	3	3.26	75	15	49.0	4	9004	S.FERNANDO	2022 12	BL	3890
	7	14	21	25	10.9672	1	1	0	31.24	71	40	57.4	4	9004	S.FERNANDO	2022 19	BL	3889
	7	15	22	16	26.7080	1	21	55	30.15	63	58	25.0	4	9004	S.FERNANDO	2031 11	PG	4149
	7	15	22	16	30.7081	1	21	57	8.25	62	22	8.9	4	9004	S.FERNANDO	2031 13	PG	4148
	7	15	22	16	36.7082	1	21	59	20.66	59	58	36.6	4	9004	S.FERNANDO	2031 16	PG	4147
	7	16	21	22	30.6338	1	23	43	6.46	76	20	0.6	4	9004	S.FERNANDO	2035 8	KS	9756
	7	16	21	22	36.6340	1	23	28	59.45	74	33	5.6	4	9004	S.FERNANDO	2035 11	KS	9757
	7	16	21	23	8.8504	1	22	49	0.27	64	25	51.0	4	9004	S.FERNANDO	2035 21	KS	9758
	7	17	22	13	38.8980	1	18	32	30.58	53	1	37.3	4	9004	S.FERNANDO	2044 8	RS	3920
	7	17	22	13	50.8986	1	19	0	47.96	48	17	33.8	4	9004	S.FERNANDO	2044 14	RS	3848
	7	18	21	20	20.7507	1	20	19	53.18	65	56	23.1	4	9004	S.FERNANDO	2048 10	RS	3921
	7	18	21	20	30.7510	1	20	30	38.66	61	46	23.9	4	9004	S.FERNANDO	2048 15	RS	3922
	7	20	11	21	36.489	3	18	23	54.44	68	11	24.0	4	9005	TOKYO	1609 2	SK	7792
	7	20	21	17	31.1043	1	16	45	31.43	48	46	17.6	4	9004	S.FERNANDO	2061 4	SR	5514
	7	20	21	17	57.1054	1	17	48	12.09	39	28	10.8	4	9004	S.FERNANDO	2061 17	SR	5515

CATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1960	7	21	12	12	32.157	3	15	51	2.13	3	23	48.6	4	9005	TOKYO	1612	7	FN	7793
	7	22	1	23	46.8834	1	22	8	34.90	57	39	7.2	4	9010	JUPITER	1585	19	LO	4409
	7	22	1	23	50.8837	1	22	6	42.87	56	37	45.4	4	9010	JUPITER	1585	21	LO	4408
	7	22	11	19	20.086	3	16	31	23.25	29	43	12.4	4	9005	TOKYO	1615	15	BL	7794
	7	23	2	14	25.6286	1	18	0	5.85	44	0	48.6	4	9010	JUPITER	1595	9	RS	4155
	7	23	2	14	31.6285	1	18	10	56.36	41	28	24.5	4	9010	JUPITER	1595	12	RS	4154
	7	23	2	14	52.4321	1	18	42	51.43	32	21	29.9	4	9010	JUPITER	1595	17	RS	4153
	7	24	1	20	57.4936	1	19	54	29.07	60	48	13.4	4	9010	JUPITER	1602	2	LO	6137
	7	24	1	21	51.4283	1	20	17	11.06	40	33	59.3	4	9010	JUPITER	1602	17	LO	6138
	7	24	11	16	6.505	1	14	14	20.81	3	17	48.6	4	9005	TOKYO	1625	9	RS	7795
	7	27	3	47	23.3623	1	14	7	6.18	-27	18	33.3	4	9001	ORGAN PASS	2270	3	LW	6741
	7	28	6	14	21.4269	1	15	37	38.96	16	26	56.7	4	9012	MAUI	2279	11	BD	4156
	7	28	6	14	26.5170	1	15	46	2.43	14	23	23.9	4	9012	MAUI	2279	16	BD	4157
	8	6	10	18	8.1782	1	14	55	25.97	21	28	52.9	4	9003	WOOMERA	3147	6	CS	7237
	8	6	10	19	16.4340	1	16	7	50.83	7	34	28.2	4	9003	WOOMERA	3147	14	CS	7238
	8	6	16	53	57.092	1	16	51	25.33	10	19	23.4	4	9002	OLFANTSFTN	2064	3	KS	6461
	8	6	16	54	52.058	1	18	8	29.71	- 6	36	5.6	4	9002	OLFANTSFTN	2064	20	KS	6462
	8	7	9	26	12.5259	3	17	7	19.06	21	59	4.8	4	9003	WOOMERA	3150	10	FI	7944
	8	7	9	27	33.1630	3	18	38	21.57	3	51	45.8	4	9003	WOOMERA	3150	32	FI	7945
	8	7	17	44	49.289	1	12	44	17.31	-49	36	58.3	4	9002	OLFANTSFTN	2067	7	FI	6719
	8	7	17	45	33.693	1	13	9	59.81	-66	22	4.1	4	9002	OLFANTSFTN	2067	18	FI	8720
	8	8	10	17	1.2018	1	14	7	21.84	-35	20	30.0	4	9003	WOOMERA	3154	6	FN	6742
	8	8	10	17	58.3749	1	15	52	2.06	-59	2	46.1	4	9003	WOOMERA	3154	22	FN	6743
	8	8	16	51	32.9306	1	14	29	3.59	-36	1	20.9	4	9002	OLFANTSFTN	2071	12	CS	6744
	8	8	16	51	54.2356	1	15	6	27.39	-45	4	36.0	4	9002	OLFANTSFTN	2071	17	CS	6745
	8	9	9	23	12.2021	1	14	46	13.83	1	4	21.2	4	9003	WOOMERA	3159	5	ZL	7239
	8	9	9	24	21.4888	1	16	35	33.12	-22	12	6.0	4	9003	WOOMERA	3159	17	ZL	7240
	8	9	9	26	51.8630	1	20	53	0.17	-41	29	39.4	4	9003	WOOMERA	3159	22	ZL	7241
	8	10	10	14	56.1522	1	11	42	5.06	-61	37	43.7	4	9003	WOOMERA	3162	12	ON	7242
	8	11	9	21	25.4805	1	13	11	3.07	-51	11	15.2	4	9003	WOOMERA	3163	13	LW	9386
	8	11	9	22	26.8225	1	15	56	23.03	-72	55	11.1	4	9003	WOOMERA	3163	28	LW	9387
	8	17	9	56	50.1434	1	20	56	49.71	46	30	15.4	4	9010	JUPITER	1709	3	BL	4841
	8	17	9	56	58.1448	1	20	55	46.60	48	48	3.6	4	9010	JUPITER	1709	5	BL	4842
	8	17	9	57	2.1459	1	20	55	10.70	49	57	27.0	4	9010	JUPITER	1709	6	BL	4843
	8	20	4	5	7.9805	1	23	48	13.78	50	35	35.2	4	9004	S.FERNANDO	2268	5	LO	4161
	8	20	4	5	21.9797	1	0	21	5.44	56	10	30.9	4	9004	S.FERNANDO	2268	12	LO	4159
	8	20	4	5	33.9298	1	0	56	39.53	60	22	29.0	4	9004	S.FERNANDO	2268	16	LO	4160
	8	22	4	2	22.9843	1	20	54	16.65	62	22	10.2	4	9004	S.FERNANDO	2284	4	PG	4487
	8	22	4	2	42.4836	1	20	59	36.57	70	2	29.6	4	9004	S.FERNANDO	2284	11	PG	4488
	8	22	4	3	2.0825	1	21	9	7.91	77	43	2.2	4	9004	S.FERNANDO	2284	18	PG	4486
	8	25	3	7	8.3697	1	19	0	25.40	81	24	50.5	4	9004	S.FERNANDO	2307	8	KS	6145
	8	25	3	7	24.3688	1	17	22	58.39	86	37	17.9	4	9004	S.FERNANDO	2307	14	KS	6146
	8	25	4	50	53.4261	1	17	41	13.93	68	52	30.0	4	9004	S.FERNANDO	2309	4	KS	7571
	8	25	4	52	13.4286	1	13	18	43.91	73	34	12.0	4	9004	S.FERNANDO	2309	20	KS	7572
	8	27	17	24	3.1494	1	21	26	49.72	-66	25	13.1	4	9002	OLFANTSFTN	2142	7	ZL	6875

CATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.	MS	OBS.NO.
1960	8	28	9	55	26.5640	3	19	33	55.87	-42	23	42.4	4	9003	WOOMERA	3249 33	JV	6747
	8	29	4	46	28.7026	3	14	33	37.04	77	48	1.9	4	9004	S.FERNANDO	2337 6	BL	6142
	8	29	4	46	36.7029	3	13	51	39.75	77	43	26.5	4	9004	S.FERNANDO	2337 10	BL	6143
	8	29	4	46	51.4389	3	12	39	57.20	76	32	18.2	4	9004	S.FERNANDO	2337 15	BL	6144
	8	29	17	21	19.6738	1	17	12	54.62	-44	58	35.0	4	9002	OLFANTSFTN	2155 9	JV	6748
	8	30	3	53	15.5201	1	13	2	47.66	75	0	2.5	4	9004	S.FERNANDO	2344 10	GR	6465
	8	30	3	53	28.7899	1	12	12	40.09	73	57	1.7	4	9004	S.FERNANDO	2344 12	GR	6466
	8	31	4	44	14.5013	1	10	47	39.06	81	35	1.2	4	9004	S.FERNANDO	2351 5	YK	7245
	8	31	4	44	52.5030	3	9	8	57.39	69	58	22.5	4	9004	S.FERNANDO	2351 20	YK	7246
	9	2	2	56	57.8288	1	13	6	44.58	75	39	1.0	4	9004	S.FERNANDO	2362 5	YK	7247
	9	2	2	57	56.1640	1	9	50	51.61	69	3	17.8	4	9004	S.FERNANDO	2362 18	YK	7248
	9	2	4	41	59.0503	1	5	43	8.60	71	29	19.0	4	9004	S.FERNANDO	2364 7	KS	7249
	9	6	9	36	29.4122	1	4	33	28.70	31	3	28.4	4	9010	JUPITER	1800 40	ZL	6754
	9	8	20	41	44.1766	1	17	52	7.40	41	57	54.2	4	9004	S.FERNANDO	2403 5	KS	7256
	9	8	20	42	20.3745	1	19	24	12.06	55	43	56.0	4	9004	S.FERNANDO	2403 21	KS	7257
	9	9	8	45	17.9821	1	4	41	33.18	27	14	2.9	4	9009	CURACAO	1674 18	FI	6755
	9	10	20	39	8.4390	1	15	12	10.18	62	30	17.5	4	9004	S.FERNANDO	2413 4	KS	7258
	9	11	21	29	53.8781	1	12	49	44.86	65	9	48.8	4	9004	S.FERNANDO	2421 4	KS	7574
	9	11	21	30	41.8789	1	10	53	40.36	75	4	7.6	4	9004	S.FERNANDO	2421 14	KS	7575
	9	12	20	37	8.6713	1	11	39	35.52	77	3	42.8	4	9004	S.FERNANDO	2425 10	SR	7797
	9	13	21	27	33.5916	1	11	30	12.93	68	54	44.4	4	9004	S.FERNANDO	2432 5	AY	7259
	9	14	20	34	33.5344	1	10	0	58.44	74	11	46.2	4	9004	S.FERNANDO	2438 13	LW	9116
	9	16	19	30	34.9450	1	3	35	6.62	-32	27	0.5	4	9003	WOOMERA	3353 9	GN	7265
	9	16	20	32	15.1321	1	8	5	36.84	73	56	49.1	4	9004	S.FERNANDO	2443 19	YK	7576
	9	17	19	39	4.0052	1	6	27	26.99	74	56	54.0	4	9004	S.FERNANDO	2448 18	KS	7798
	9	18	7	53	19.1006	1	8	18	37.78	-28	21	48.4	4	9011	V.DOLORES	1587 17	JV	7578
	9	19	18	36	53.8309	1	8	43	49.64	-58	45	39.2	4	9003	WOOMERA	3380 25	JV	7268
	9	19	19	35	38.5365	1	8	48	46.91	72	7	49.9	4	9004	S.FERNANDO	2460 4	YK	8152
	9	19	19	36	30.6533	1	5	45	37.98	72	43	58.7	4	9004	S.FERNANDO	2460 25	YK	8153
	9	20	20	27	22.7595	1	5	7	27.14	74	11	46.7	4	9004	S.FERNANDO	2468 10	SR	7799
	9	21	19	33	42.7027	1	5	38	29.34	73	48	3.6	4	9004	S.FERNANDO	2470 8	YK	8157
	9	21	19	34	23.7531	1	3	48	3.67	67	33	26.3	4	9004	S.FERNANDO	2470 17	YK	8158

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.	MS	OBS.NO.
1961	8	5	8	50	4.2007	1	3	49	55.400	- 4	15	21.72	4	9010	JUPITER	4174 3	SY	3553
	8	5	8	50	8.2003	1	3	52	2.473	- 3	22	50.22	4	9010	JUPITER	4174 4	SY	486
	8	6	3	54	30.0158	1	3	39	32.388	- 6	56	47.23	4	9004	SAN FERNAN	4052 13	BW	9841
	8	6	3	55	42.0114	1	4	22	32.655	6	29	52.29	4	9004	SAN FERNAN	4052 40	BW	9842
	8	6	9	4	16.9168	1	2	30	4.370	3	1	25.91	4	9010	JUPITER	4196 5	BW	130
	8	7	0	40	53.3297	10	0	39	53.079	33	10	37.76	4	9008	SHIRAZ	4504 10	SV	5615
	8	7	0	41	20.2003	10	1	1	8.568	43	25	39.46	4	9008	SHIRAZ	4504 18	FI	833
	8	7	9	18	39.0061	1	0	17	38.800	17	10	45.99	4	9010	JUPITER	4218 21	SV	3554
	8	7	9	19	5.4172	1	0	33	40.674	27	28	27.10	4	9010	JUPITER	4218 30	SV	488
	8	7	14	27	25.0407	.3	22	11	46.592	- 3	53	29.14	4	9012	MAUI	4178 3	HY	105
	8	7	23	7	46.4852	10	3	27	31.471	-15	3	32.24	4	9008	SHIRAZ	4522 8	BW	1513
	8	7	23	8	2.4826	10	3	34	12.145	-12	21	48.58	4	9008	SHIRAZ	4522 12	BW	9844
	8	8	0	55	20.7134	10	22	13	2.768	39	13	50.23	4	9008	SHIRAZ	4527 12	YK	86
	8	8	14	43	21.2991	.3	21	1	39.774	26	35	24.43	4	9012	MAUI	4196 15	SU	108
	8	9	2	51	17.7697	1	3	29	43.911	-10	26	36.17	4	9004	SAN FERNAN	4101 18	YK	829
	8	9	2	52	12.1119	1	3	54	51.630	- 2	15	0.36	4	9004	SAN FERNAN	4101 29	YK	830
	8	10	8	17	30.7973	1	3	24	4.503	41	34	45.09	4	9010	JUPITER	4261 15	YK	491
	8	10	8	17	36.7975	1	3	30	32.795	42	47	59.49	4	9010	JUPITER	4261 18	YK	492
	8	11	8	32	54.2830	1	2	58	30.229	74	15	48.35	4	9010	JUPITER	4293 3	YK	1516
	8	11	22	22	20.6698	10	4	23	26.558	19	59	0.10	4	9008	SHIRAZ	4584 4	BW	9861
	8	11	22	22	24.6699	10	4	25	33.460	20	31	12.87	4	9008	SHIRAZ	4584 6	BW	9862
	8	12	22	37	21.6376	10	4	43	54.978	39	9	34.63	4	9008	SHIRAZ	4612 4	BW	9863
	8	13	0	22	44.6388	10	19	16	34.123	58	21	5.51	4	9008	SHIRAZ	4617 7	MJ	101
	8	13	0	22	48.6389	10	19	13	26.876	59	4	9.91	4	9008	SHIRAZ	4617 9	MJ	102
	8	13	22	51	52.6439	10	4	49	36.332	59	33	34.86	4	9008	SHIRAZ	4636 7	MJ	483
	8	13	22	51	56.6440	10	4	55	5.070	59	44	0.79	4	9008	SHIRAZ	4636 8	MJ	484
	8	14	0	35	47.9859	10	19	27	54.039	37	41	9.53	4	9008	SHIRAZ	4642 3	SV	103
	8	14	2	19	20.3329	1	3	54	48.572	24	32	24.72	4	9004	SAN FERNAN	4140 3	SY	82
	8	14	2	19	28.3327	1	4	1	3.461	25	46	7.99	4	9004	SAN FERNAN	4140 7	SY	83
	8	14	16	10	5.5562	1	4	14	18.293	22	16	2.56	4	9005	TOKYO	3677 6	SY	478
	8	15	18	9	49.2914	1	19	15	54.739	55	56	49.09	4	9005	TOKYO	3700 4	SY	479
	8	15	18	10	5.2918	1	19	2	14.053	59	14	47.70	4	9005	TOKYO	3700 8	SY	480
	8	15	23	20	15.4968	10	18	41	53.192	76	17	53.74	4	9008	SHIRAZ	4683 6	SJ	104
	8	16	18	23	30.6364	1	19	7	25.798	41	20	43.16	4	9005	TOKYO	3717 7	BW	128
	8	16	18	23	34.6365	1	19	5	34.732	42	2	15.29	4	9005	TOKYO	3717 8	BW	2220
	8	17	1	17	39.3998	10	4	20	4.227	25	36	7.07	4	9004	SAN FERNAN	4155 4	PB	831
	8	17	1	17	43.3998	10	4	22	24.356	25	58	42.47	4	9004	SAN FERNAN	4155 5	PB	81
	8	18	1	32	30.6064	1	4	53	33.567	39	57	26.02	4	9004	SAN FERNAN	4175 4	YK	834
	8	18	1	32	46.6067	1	5	5	37.373	40	47	10.25	4	9004	SAN FERNAN	4175 8	YK	98
	8	18	17	7	22.3228	1	18	53	45.714	75	21	39.92	4	9005	TOKYO	3741 9	SJ	481
	8	18	17	7	48.2679	1	17	41	50.765	80	6	25.25	4	9005	TOKYO	3741 15	SJ	482
	8	21	9	10	1.6102	1	15	55	16.299	72	17	7.75	4	9001	ORGAN PASS	3699 6	SJ	95
	8	21	9	10	25.6080	1	15	3	15.504	73	39	53.01	4	9001	ORGAN PASS	3699 14	SJ	96
	8	26	15	31	17.9748	1	12	31	12.877	77	28	0.02	4	9005	TOKYO	3764 12	HY	3525
	8	30	0	20	9.3573	1	5	29	22.235	-76	14	46.90	4	9011	VILLA DOLO	3365 4	HY	837

CATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME	NO.	MS	OBS.NO.
1961	8	30	0	20	17.3571	1	5	9	28.690	-76	39	51.56	4	9011	VILLA DOLO	3365	6	HY	122
	9	2	9	42	44.8740	1	23	48	30.034	-48	50	20.48	4	9003	WOOMERA	5955	5	PT	1263
	9	2	9	42	52.8737	1	23	43	47.421	-47	21	56.44	4	9003	WOOMERA	5955	7	PT	1264
	9	2	11	27	11.3789	1	13	40	36.454	-48	32	45.50	4	9003	WOOMERA	5959	4	TM	943
	9	2	11	27	15.3725	1	13	44	34.602	-48	18	16.65	4	9003	WOOMERA	5959	5	TM	944
	9	3	9	56	44.3641	1	23	20	22.117	-63	14	58.68	4	9003	WOOMERA	5974	4	RO	1265
	9	3	18	37	43.6098	1	13	50	13.559	-46	48	20.50	4	9002	OLIFANTS	4320	5	PI	1508
	9	3	18	37	47.7092	1	13	53	39.842	-46	29	26.73	4	9002	OLIFANTS	4320	6	PI	934
	9	3	23	47	35.2143	1	17	47	10.317	-79	44	16.69	4	9011	VILLA DOLO	3429	3	BO	1584
	9	3	23	47	43.2141	1	18	14	30.448	-78	2	45.45	4	9011	VILLA DOLO	3429	7	BO	1585
	9	4	17	5	20.0764	1	2	40	30.450	-79	20	29.29	4	9002	OLIFANTS	4338	8	PI	3564
	9	4	17	5	48.7654	1	1	13	20.336	-77	38	49.59	4	9002	OLIFANTS	4338	15	PI	3565
	9	4	18	53	13.6071	1	14	34	6.730	-22	29	27.79	4	9002	OLIFANTS	4345	7	PI	935
	9	4	18	53	21.7081	1	14	38	37.272	-21	16	50.41	4	9002	OLIFANTS	4345	9	PI	936
	9	5	0	2	35.5222	1	15	42	37.409	-51	3	35.07	4	9011	VILLA DOLO	3447	3	MN	2182
	9	5	0	2	39.5220	1	15	48	53.601	-50	12	51.17	4	9011	VILLA DOLO	3447	5	MN	811
	9	5	0	5	1.8564	1	22	31	7.939	-66	22	35.54	4	9007	AREQUIPA	4206	4	TM	1207
	9	5	0	5	9.8562	1	22	28	19.140	-64	47	17.15	4	9007	AREQUIPA	4206	6	TM	1208
	9	5	10	26	16.7770	1	16	53	0.590	-47	14	40.56	4	9003	WOOMERA	6012	7	BO	1266
	9	5	10	26	18.7769	1	16	55	48.219	-46	38	11.65	4	9003	WOOMERA	6012	8	BO	1267
	9	5	17	26	4.4181	1	20	55	40.413	12	52	59.77	4	9002	OLIFANTS	4362	4	TM	937
	9	5	17	26	28.9392	1	20	59	50.043	17	42	48.09	4	9002	OLIFANTS	4362	10	TM	938
	9	5	23	0	14.6005	1	11	31	42.886	76	10	29.79	4	9004	SAN FERNAN	4234	6	LE	1184
	9	5	23	0	26.6007	1	10	58	34.082	75	48	46.98	4	9004	SAN FERNAN	4234	9	LE	1185
	9	6	0	17	41.8794	1	15	24	24.648	-18	42	56.67	4	9011	VILLA DOLO	3464	4	MN	812
	9	6	0	17	47.8796	1	15	29	26.707	-17	17	20.28	4	9011	VILLA DOLO	3464	7	MN	813
	9	6	10	41	19.5585	1	15	54	36.138	-14	10	22.48	4	9003	WOOMERA	6030	3	PI	2632
	9	6	10	41	29.5581	1	16	2	54.570	-11	26	23.24	4	9003	WOOMERA	6030	8	PI	946
	9	6	23	13	39.9798	1	14	13	30.181	62	0	50.86	4	9004	SAN FERNAN	4245	7	LE	1186
	9	6	23	13	51.9801	1	13	58	5.447	63	23	18.25	4	9004	SAN FERNAN	4245	10	LE	1187
	9	7	10	55	56.4089	1	15	15	56.707	0	28	29.36	4	9003	WOOMERA	6044	12	YN	1183
	9	7	10	55	58.4085	1	15	17	4.039	0	52	5.44	4	9003	WOOMERA	6044	13	YN	2143
	9	7	13	3	42.1514	1	14	7	44.493	67	34	7.34	4	9005	TOKYO	3835	14	MN	1684
	9	7	13	3	58.1549	1	13	40	0.727	69	26	40.31	4	9005	TOKYO	3835	18	MN	1685
	9	7	17	49	2.1058	1	13	22	22.854	-42	38	35.59	4	9002	OLIFANTS	4403	4	TM	939
	9	7	17	49	14.4924	1	13	32	3.552	-41	26	37.37	4	9002	OLIFANTS	4403	7	TM	940
	9	7	17	55	11.2300	1	17	31	58.009	34	7	23.27	4	9002	OLIFANTS	4404	9	TM	941
	9	7	17	55	19.4914	1	17	35	51.408	35	25	25.95	4	9002	OLIFANTS	4404	11	TM	942
	9	7	21	42	28.6350	1	2	51	44.194	71	16	29.85	4	9004	SAN FERNAN	4253	18	LE	1188
	9	7	21	42	36.6420	1	3	5	55.401	70	36	9.71	4	9004	SAN FERNAN	4253	20	LE	3122
	9	8	13	16	49.7327	1	15	5	9.430	47	27	41.60	4	9005	TOKYO	3841	7	PI	1201
	9	8	13	16	57.7329	1	15	0	16.291	48	43	29.61	4	9005	TOKYO	3841	8	PI	2770
	9	8	18	5	7.0301	10	14	18	49.345	-13	18	6.28	4	9002	OLIFANTS	4426	4	BO	2189
	9	8	18	5	15.2060	10	14	22	56.143	-11	55	43.00	4	9002	OLIFANTS	4426	6	BO	1114
	9	8	18	8	7.4874	1	15	42	35.962	20	6	57.76	4	9002	OLIFANTS	4427	5	BO	1115

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1961	9	8	18	8	19.7293	1	15	47	41.283	22	16	13.12	4	9002	OLIFANTS	4427	8	BO	1116
	9	9	16	52	36.7663	1	19	57	2.388	27	2	57.85	4	9008	SHIRAZ	4970	11	TM	1213
	9	9	16	52	38.7663	1	19	58	40.417	27	47	19.05	4	9008	SHIRAZ	4970	12	TM	1214
	9	10	1	30	38.5279	1	19	42	48.051	17	34	14.25	4	9010	JUPITER	4529	8	BO	1569
	9	10	1	31	16.1690	1	20	12	44.362	31	22	29.40	4	9010	JUPITER	4529	18	BO	1570
	9	10	11	57	28.5574	.3	16	32	24.513	32	23	39.91	4	9005	TOKYO	3865	5	MN	1687
	9	10	11	57	32.5571	.3	16	31	47.546	33	31	31.93	4	9005	TOKYO	3865	6	MN	1686
	9	10	17	7	1.6504	1	17	24	13.401	37	3	52.87	4	9008	SHIRAZ	4984	4	TM	1215
	9	10	17	7	3.6503	1	17	24	35.838	37	46	35.46	4	9008	SHIRAZ	4984	5	TM	1216
	9	11	1	44	51.1240	1	17	15	25.876	24	26	57.81	4	9010	JUPITER	4537	6	PT	1571
	9	11	1	44	53.1256	1	17	15	49.583	25	8	40.14	4	9010	JUPITER	4537	7	PT	1572
	9	11	10	25	33.7308	.3	21	14	33.240	8	18	1.17	4	9005	TOKYO	3873	13	PI	6165
	9	11	10	26	13.7325	.3	21	48	8.097	18	43	4.69	4	9005	TOKYO	3873	23	PI	1218
	9	12	7	9	15.3041	1	15	4	23.240	23	18	1.83	4	9012	MAUI	4369	3	RO	818
	9	12	7	9	44.3550	1	15	0	54.969	28	56	51.05	4	9012	MAUI	4369	12	RO	819
	9	12	10	39	45.7380	1	19	23	0.460	19	7	17.38	4	9005	TOKYO	3880	4	PI	1219
	9	12	10	40	20.8059	1	19	52	0.008	31	32	14.43	4	9005	TOKYO	3880	15	PI	1220
	9	13	0	24	1.1921	1	15	26	53.111	14	0	40.82	4	9009	CURACAO	3471	4	TM	1227
	9	13	0	24	13.1934	1	15	28	6.635	17	10	45.02	4	9009	CURACAO	3471	7	TM	1228
	9	13	10	53	49.5966	.3	17	10	37.713	22	25	58.53	4	9005	TOKYO	3884	7	YN	1688
	9	13	10	54	18.2870	.3	17	16	0.204	32	11	28.64	4	9005	TOKYO	3884	13	YN	1689
	9	13	19	33	5.3088	1	21	42	36.178	17	46	37.25	4	9004	SAN FERNAN	4301	5	BO	1195
	9	13	19	33	13.3097	1	21	49	33.545	19	37	7.15	4	9004	SAN FERNAN	4301	9	BO	1196
	9	14	19	46	48.2932	1	19	39	33.642	22	54	7.83	4	9004	SAN FERNAN	4306	5	RO	1169
	9	14	19	47	0.1466	1	19	50	27.224	26	53	40.76	4	9004	SAN FERNAN	4306	10	RO	1170
	9	15	4	54	35.8015	1	7	18	30.183	51	39	40.21	4	9004	SAN FERNAN	4311	4	RO	1171
	9	15	4	54	41.8015	1	7	18	8.710	49	32	53.88	4	9004	SAN FERNAN	4311	7	RO	1172
	9	15	20	1	4.3108	1	17	20	11.472	32	16	9.90	4	9004	SAN FERNAN	4312	12	PT	2153
	9	15	20	1	8.3105	1	17	21	36.575	33	44	16.10	4	9004	SAN FERNAN	4312	14	PT	2154
	9	15	23	23	5.7787	1	16	59	51.359	53	25	11.90	4	9009	CURACAO	3508	7	TM	1229
	9	15	23	23	13.7789	1	17	4	7.313	55	29	46.37	4	9009	CURACAO	3508	9	TM	1230
	9	16	18	59	53.5400	1	6	33	19.802	41	18	55.88	4	9005	TOKYO	3903	3	PI	1203
	9	16	19	0	1.5400	1	6	34	42.955	38	18	34.43	4	9005	TOKYO	3903	5	PI	2148
	9	16	20	16	18.8311	10	15	21	57.251	49	19	23.91	4	9004	SAN FERNAN	4317	14	LE	2155
	9	16	20	16	24.8579	10	15	19	51.096	51	5	32.83	4	9004	SAN FERNAN	4317	17	LE	1174
	9	17	0	11	44.0237	1	8	52	31.003	39	8	52.55	4	9008	SHIRAZ	5076	4	PI	1221
	9	18	0	25	36.3918	1	8	1	46.418	53	3	31.59	4	9008	SHIRAZ	5090	3	PI	1222
	9	18	0	25	40.3920	1	8	0	18.623	51	55	46.64	4	9008	SHIRAZ	5090	5	PI	1223
	9	18	9	5	28.0171	1	8	26	13.826	45	54	47.05	4	9010	JUPITER	4615	6	YN	1578
	9	18	9	6	7.1206	1	8	15	10.327	36	11	56.78	4	9010	JUPITER	4615	12	YN	1579
	9	19	9	25	40.1751	1	5	19	16.592	21	11	54.91	4	9009	CURACAO	3556	14	TM	1231
	9	19	9	25	42.1758	1	5	20	28.734	20	22	5.25	4	9009	CURACAO	3556	15	TM	1232
	9	19	17	56	11.2155	1	7	34	32.970	48	23	14.49	4	9005	TOKYO	3916	8	MN	807
	9	19	17	56	37.0072	1	7	25	55.916	40	48	23.69	4	9005	TOKYO	3916	14	MN	808
	9	20	9	37	25.5686	1	1	0	56.328	44	4	49.85	4	9009	CURACAO	3562	5	PI	1233

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1961	9	20	9	37	27.5686	1	1	2	18.421	43	46	50.73	4	9009	CURACAO	3562	6	PI	1234
	9	21	9	48	57.7688	1	1	36	39.948	17	29	58.63	4	9010	JUPITER	4631	3	YN	1580
	9	21	9	49	1.7688	1	1	39	55.100	16	20	57.79	4	9010	JUPITER	4631	5	YN	1581
	9	21	18	24	53.5400	1	2	18	40.407	39	45	2.58	4	9005	TOKYO	3931	18	YN	1690
	9	21	18	24	57.5400	1	2	23	43.837	38	25	57.71	4	9005	TOKYO	3931	19	YN	1691
	9	22	8	16	3.2396	1	7	50	40.585	55	40	12.30	4	9010	JUPITER	4637	4	YN	2157
	9	22	8	16	15.2400	1	7	45	11.435	52	44	32.35	4	9010	JUPITER	4637	7	YN	2158
	9	22	13	34	0.3787	.3	7	33	15.419	-10	47	35.95	4	9012	MAUI	4461	16	LE	916
	9	22	15	13	50.0555	.3	23	24	14.317	30	52	49.00	4	9012	MAUI	4465	3	VD	821
	9	22	15	13	58.0556	.3	23	28	10.764	29	56	20.73	4	9012	MAUI	4465	5	VD	822
	9	22	15	20	15.2160	.3	2	13	2.146	-40	20	20.62	4	9012	MAUI	4465	22	VD	823
	9	24	2	4	33.6504	.3	7	40	41.310	19	10	31.91	4	9002	OLIFANTS	4691	5	BO	3530
	9	24	2	4	45.8040	.3	7	46	4.818	16	52	3.72	4	9002	OLIFANTS	4691	8	BO	2190
	9	25	2	17	34.0368	.3	5	49	33.091	33	11	19.61	4	9002	OLIFANTS	4702	6	RO	1253
	9	25	2	17	46.1187	.3	5	55	49.535	31	1	2.48	4	9002	OLIFANTS	4702	9	RO	1254
	9	25	2	19	39.4879	.3	7	3	42.627	3	58	13.78	4	9002	OLIFANTS	4703	5	PT	1255
	9	25	2	19	47.5539	.3	7	9	13.532	1	40	43.27	4	9002	OLIFANTS	4703	7	PT	1256
	9	28	1	15	20.9059	.3	6	45	22.653	22	50	47.09	4	9002	OLIFANTS	4753	5	LE	1258
	9	28	1	15	32.9058	.3	6	50	56.402	20	32	35.38	4	9002	OLIFANTS	4753	8	LE	2768
	9	28	1	16	47.1037	.3	7	27	14.316	5	12	8.22	4	9002	OLIFANTS	4754	6	LE	1260
	9	30	1	45	18.3058	.3	4	7	28.315	-16	27	52.19	4	9002	OLIFANTS	4778	5	RO	1261
	9	30	1	45	22.3058	.3	4	10	26.391	-18	9	39.99	4	9002	OLIFANTS	4778	7	RO	2193
	10	1	2	3	18.5461	.3	14	6	22.470	-89	5	1.32	4	9002	OLIFANTS	4801	4	YK	3011
	10	1	17	36	9.4893	1	8	3	58.137	-25	2	19.73	4	9003	WOOMERA	6331	2	SD	3134
	10	1	17	36	15.3360	1	8	8	27.147	-26	1	40.69	4	9003	WOOMERA	6331	5	SD	3135
	10	2	17	51	19.9550	1	8	39	49.952	-52	1	5.47	4	9003	WOOMERA	6350	3	SD	3136
	10	2	17	51	31.6597	1	8	54	45.892	-52	53	10.91	4	9003	WOOMERA	6350	9	SD	3137
	10	3	18	5	45.2855	1	8	30	58.529	-76	32	33.57	4	9003	WOOMERA	6367	6	SD	4030
	10	3	18	6	10.6199	1	9	52	55.925	-75	33	52.07	4	9003	WOOMERA	6367	17	SD	3139
	10	4	18	20	12.9534	1	21	15	41.571	-82	9	25.91	4	9003	WOOMERA	6386	6	SD	3511
	10	4	18	20	24.6418	1	20	6	58.098	-83	6	8.78	4	9003	WOOMERA	6386	12	SD	3400
	10	5	1	14	24.9281	.3	20	11	38.293	-86	36	46.45	4	9002	OLIFANTS	4894	4	SD	3132
	10	5	1	14	32.9281	.3	18	37	4.970	-86	43	26.71	4	9002	OLIFANTS	4894	6	SD	3133
	10	5	18	33	52.1994	1	22	8	0.920	-60	35	3.42	4	9003	WOOMERA	6400	6	PB	4674
	10	5	18	34	9.7499	1	21	47	51.258	-63	31	47.80	4	9003	WOOMERA	6400	15	PB	3015
	10	25	1	53	37.9866	1	5	20	6.657	66	38	21.41	4	9001	ORGAN PASS	4079	5	SD	3130
	10	25	1	53	41.9856	1	5	14	8.797	66	18	34.32	4	9001	ORGAN PASS	4079	7	SD	3131
	10	27	0	40	23.3725	1	2	20	39.914	84	21	4.07	4	9010	JUPITER	4901	3	MJ	3021
	10	27	0	40	35.3730	1	1	50	3.901	82	7	54.27	4	9010	JUPITER	4901	6	MJ	3022
	10	28	0	54	27.9768	3	16	55	54.469	72	9	55.62	4	9010	JUPITER	4916	6	SD	3142
	10	28	2	37	6.1888	1	16	33	46.354	63	44	57.58	4	9001	ORGAN PASS	4118	5	KA	3010
	10	28	2	37	10.1885	1	16	40	36.451	63	42	17.06	4	9001	ORGAN PASS	4118	7	KA	3407
	10	30	4	50	3.0212	.3	3	21	42.686	71	56	14.03	4	9012	MAUI	4672	6	PB	3025
	10	30	4	50	5.0246	.3	3	19	9.138	71	40	50.03	4	9012	MAUI	4672	7	PB	3408
	10	30	23	53	18.2375	3	23	50	35.040	58	55	2.13	4	9010	JUPITER	4925	4	SJ	3023

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME	NO.	MS	OBS.NO.
1961	10	30	23	53	22.2376	3	23	51	7.904	57	35	45.83	4	9010	JUPITER	4925	6	SJ	3024
	10	31	10	37	13.4551	1	3	47	44.634	-24	54	43.68	4	9003	WOOMERA	6578	2	SY	3017
	10	31	10	37	17.3529	1	3	50	9.301	-25	24	21.36	4	9003	WOOMERA	6578	4	SY	3018
	10	31	12	19	51.4503	1	19	59	15.908	-17	6	0.26	4	9003	WOOMERA	6581	2	SY	3019
	10	31	12	19	53.4010	1	19	59	3.776	-17	37	27.35	4	9003	WOOMERA	6581	3	SY	3020
	10	31	19	11	55.4029	1	19	53	20.662	8	43	45.04	4	9002	OLIFANTS	5154	9	KA	3143
	10	31	19	12	7.4032	1	19	53	47.201	6	23	42.75	4	9002	OLIFANTS	5154	12	KA	3144
	11	1	0	24	46.3351	1	0	16	18.083	15	0	50.73	4	9011	VILLA DOLO	3886	4	SJ	4858
	11	1	0	24	50.3351	1	0	18	54.095	14	3	36.02	4	9011	VILLA DOLO	3886	6	SJ	4859
	11	1	12	33	30.0222	3	19	17	47.035	-11	20	12.91	4	9003	WOOMERA	6593	6	SJ	4502
	11	1	12	33	57.3129	3	19	13	46.663	-16	24	24.36	4	9003	WOOMERA	6593	13	SJ	4503
	11	1	12	35	9.9872	3	18	57	13.599	-31	12	46.86	4	9003	WOOMERA	6594	3	AY	4504
	11	1	12	35	25.5852	3	18	52	10.423	-34	32	4.24	4	9003	WOOMERA	6594	7	AY	4505
	11	1	12	38	37.5384	3	16	9	18.106	-67	9	5.05	4	9003	WOOMERA	6595	6	AY	6177
	11	1	12	38	45.3343	3	15	56	56.152	-67	44	33.93	4	9003	WOOMERA	6595	8	AY	4507
	11	1	17	39	31.7060	3	23	41	15.113	38	54	9.79	4	9002	OLIFANTS	5166	4	SV	4565
	11	1	17	39	43.7061	3	23	47	0.258	37	4	44.02	4	9002	OLIFANTS	5166	7	SV	4566
	11	1	17	41	36.3630	3	0	48	2.095	14	7	5.25	4	9002	OLIFANTS	5167	4	AY	4800
	11	1	17	41	42.3630	3	0	51	41.052	12	35	42.55	4	9002	OLIFANTS	5167	7	AY	4801
	11	1	17	45	19.0532	3	3	26	40.009	-36	39	25.32	4	9002	OLIFANTS	5168	4	PB	4567
	11	1	17	45	31.0530	3	3	35	45.808	-38	8	24.09	4	9002	OLIFANTS	5168	7	PB	4568
	11	1	19	28	15.2535	3	18	58	12.979	-21	50	21.23	4	9002	OLIFANTS	5172	4	AY	4495
	11	1	19	30	28.8700	3	18	15	31.377	-50	25	17.62	4	9002	OLIFANTS	5173	4	PB	4569
	11	1	19	30	36.8701	3	18	11	2.434	-51	58	55.91	4	9002	OLIFANTS	5173	6	PB	4570
	11	2	17	55	53.8029	3	22	54	59.105	6	20	40.60	4	9002	OLIFANTS	5186	7	AY	4802
	11	2	17	56	5.8034	3	23	3	2.220	2	12	37.44	4	9002	OLIFANTS	5186	10	AY	5275
	11	2	17	56	48.0372	3	23	35	26.615	-13	53	19.30	4	9002	OLIFANTS	5186	14	AY	7279
	11	2	17	57	0.0369	3	23	45	59.195	-18	39	55.39	4	9002	OLIFANTS	5186	17	AY	4804
	11	2	17	58	31.6579	3	1	30	17.505	-48	39	27.49	4	9002	OLIFANTS	5186	23	AY	4805
	11	2	18	0	9.0501	3	3	50	6.402	-60	33	11.48	4	9002	OLIFANTS	5186	32	AY	4806
	11	3	18	8	18.6076	3	20	12	1.426	22	28	44.55	4	9002	OLIFANTS	5195	4	MJ	4497
	11	3	18	8	22.6079	3	20	12	46.209	21	46	48.58	4	9002	OLIFANTS	5195	5	MJ	4498
	11	3	18	9	52.6037	3	20	30	53.145	0	33	27.38	4	9002	OLIFANTS	5196	7	MJ	4499
	11	4	11	35	30.1368	3	14	22	14.081	-76	56	19.92	4	9003	WOOMERA	6628	6	PB	4740
	11	4	11	35	34.0360	3	14	10	22.971	-76	59	8.46	4	9003	WOOMERA	6628	7	PB	4741
	11	4	14	39	1.2521	3	18	2	45.423	38	24	26.63	4	9008	SHIRAZ	5778	10	PB	4869
	11	4	14	39	3.2524	3	18	5	7.359	37	54	13.23	4	9008	SHIRAZ	5778	11	PB	5277
	11	4	18	25	39.0284	3	18	58	28.509	-31	51	37.77	4	9002	OLIFANTS	5205	4	SJ	5630
	11	4	18	25	55.0337	3	18	55	37.519	-36	35	4.07	4	9002	OLIFANTS	5205	6	SJ	5271
	11	4	18	28	7.3214	3	17	41	54.091	-70	32	30.60	4	9002	OLIFANTS	5206	4	SJ	4572
	11	4	18	28	15.3213	3	17	30	57.885	-72	0	38.25	4	9002	OLIFANTS	5206	5	SJ	4573
	11	7	0	5	12.4625	1	19	38	22.701	-18	37	48.72	4	9011	VILLA DOLO	3930	3	CL	7280
	11	7	0	5	16.4624	1	19	38	31.504	-19	57	38.61	4	9011	VILLA DOLO	3930	5	AY	4841
	11	8	0	17	5.2255	1	18	38	53.646	7	9	3.38	4	9011	VILLA DOLO	3944	2	SJ	4876
	11	9	10	57	10.4588	3	17	36	12.441	-28	1	11.45	4	9003	WOOMERA	6677	4	PB	4742

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1961	11	9	10	57	24.1052	3	17	32	17.249	-30	35	59.85	4	9003	WOOMERA	6677	11	PB	7276
	11	9	18	23	48.7276	3	11	31	3.401	- 7	27	20.21	4	9003	WOOMERA	6693	4	MJ	4848
	11	9	18	24	4.3236	3	11	29	52.708	- 4	52	15.60	4	9003	WOOMERA	6693	8	MJ	4849
	11	10	18	34	33.8633	3	11	13	30.733	-61	3	23.84	4	9003	WOOMERA	6715	4	SJ	4744
	11	10	18	34	53.3617	3	11	4	54.811	-55	35	48.41	4	9003	WOOMERA	6715	14	SJ	4745
	11	11	12	10	57.2355	3	11	4	19.236	-29	18	27.59	4	9001	ORGAN PASS	4246	4	SJ	4796
	11	11	12	11	1.2355	3	11	5	54.326	-28	46	9.43	4	9001	ORGAN PASS	4246	5	SJ	4797
	11	11	18	49	18.7684	3	8	1	53.812	-57	16	54.98	4	9003	WOOMERA	6734	6	KA	4746
	11	11	18	49	34.3629	3	8	15	20.833	-51	49	43.75	4	9003	WOOMERA	6734	14	KA	4747
	11	12	1	47	2.0832	3	10	37	43.088	-27	7	55.61	4	9002	OLIFANTS	5251	10	PZ	4809
	11	12	1	47	10.0845	3	10	37	33.150	-24	45	13.71	4	9002	OLIFANTS	5251	12	SV	4810
	11	12	12	27	29.9230	3	11	9	25.402	- 2	32	42.22	4	9001	ORGAN PASS	4266	4	PB	4798
	11	12	12	27	37.9230	3	11	14	38.715	- 0	38	27.87	4	9001	ORGAN PASS	4266	8	PB	4799
	11	12	17	16	16.7740	3	12	39	12.564	-52	1	41.12	4	9003	WOOMERA	6747	8	SY	5641
	11	12	17	16	24.5696	3	12	34	4.317	-50	52	28.93	4	9003	WOOMERA	6747	10	SY	4749
	11	12	17	17	28.2889	3	12	0	59.417	-40	39	7.17	4	9003	WOOMERA	6748	3	SY	4750
	11	12	17	17	36.0839	3	11	57	51.349	-39	20	15.63	4	9003	WOOMERA	6748	5	SY	4751
	11	15	1	0	48.9227	3	11	8	2.378	- 5	7	22.31	4	9008	SHIRAZ	5902	2	SY	4870
	11	15	7	38	32.4215	3	11	50	22.872	-67	36	3.54	4	9007	AREQUIPA	4745	9	PB	5276
	11	15	7	40	35.3208	3	11	7	2.451	-44	39	31.53	4	9007	AREQUIPA	4746	2	PB	4866
	11	15	7	40	47.3209	3	11	5	14.939	-42	0	58.96	4	9007	AREQUIPA	4746	5	PB	4867
	11	16	1	0	50.6494	3	9	54	25.268	13	5	6.82	4	9002	OLIFANTS	5282	5	AY	6811
	11	16	1	1	6.6496	3	9	55	55.964	15	46	4.43	4	9002	OLIFANTS	5282	7	AY	4576
	11	16	7	51	26.5100	1	3	54	42.726	-34	8	49.70	4	9011	VILLA DOLO	4005	4	AY	4842
	11	16	7	51	30.5094	1	3	58	54.755	-33	14	27.97	4	9011	VILLA DOLO	4005	.6	AY	7281
	11	16	11	38	4.6927	3	9	57	40.109	- 8	53	55.28	4	9001	ORGAN PASS	4287	7	SY	4737
	11	16	11	38	26.6926	3	10	11	30.484	- 3	39	42.84	4	9001	ORGAN PASS	4287	13	SY	4738
	11	17	8	6	6.8737	1	3	26	26.804	-13	28	58.49	4	9011	VILLA DOLO	4029	3	MJ	4844
	11	17	8	6	14.8738	1	3	31	41.724	-11	55	20.55	4	9011	VILLA DOLO	4029	5	MJ	4845
	11	17	11	52	47.5749	3	8	27	19.154	7	6	57.05	4	9001	ORGAN PASS	4300	5	SV	5638
	11	17	11	52	51.5748	3	8	29	45.510	8	24	20.25	4	9001	ORGAN PASS	4300	7	SV	4479
	11	17	16	39	43.3448	3	15	26	22.497	-75	21	50.11	4	9003	WOOMERA	6778	7	KA	4850
	11	17	16	39	51.1383	3	15	7	30.758	-75	23	21.76	4	9003	WOOMERA	6778	9	KA	4851
	11	17	16	46	32.7156	3	10	1	20.076	- 0	43	14.33	4	9003	WOOMERA	6780	5	MJ	6178
	11	17	16	46	44.4052	3	10	0	57.405	1	11	9.38	4	9003	WOOMERA	6780	8	MJ	5643
	11	17	18	26	40.3361	3	1	35	12.378	-37	55	31.89	4	9003	WOOMERA	6787	3	PB	4752
	11	17	18	28	51.2281	3	3	10	19.297	-20	25	43.99	4	9003	WOOMERA	6788	7	KA	4852
	11	17	18	29	4.8658	3	3	19	58.626	-17	48	35.09	4	9003	WOOMERA	6788	14	KA	4853
	11	18	1	29	48.1521	3	6	52	35.498	35	2	47.01	4	9002	OLIFANTS	5305	3	KA	4578
	11	18	1	30	4.1531	3	6	59	19.775	37	19	10.54	4	9002	OLIFANTS	5305	5	KA	4579
	11	18	10	20	28.5212	3	10	54	47.607	-16	5	17.86	4	9001	ORGAN PASS	4311	2	PB	4480
	11	18	10	21	50.8366	3	11	28	10.831	- 3	49	32.42	4	9001	ORGAN PASS	4312	7	YK	4739
	11	18	10	21	54.2346	3	5	36	0.206	16	47	46.03	4	9010	JUPITER	5138	4	SY	4672
	11	18	10	21	58.2352	3	5	36	12.587	17	57	43.80	4	9010	JUPITER	5138	6	SY	4873
	11	18	13	45	46.2562	1	10	33	22.818	-13	8	35.54	4	9012	MAUI	4835	10	MJ	5103

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1961	11	18	13	45	50.2562	1	10	35	4.306	-12	17	18.47	4	9012	MAUI	4835	12	MJ	5104
	11	18	16	57	14.7081	3	8	57	3.870	-56	26	18.32	4	9003	WOOMERA	6798	2	MJ	4854
	11	18	16	57	34.1823	3	8	56	44.342	-50	0	40.79	4	9003	WOOMERA	6798	12	MJ	4855
	11	19	10	34	5.3297	3	4	37	20.496	- 4	15	13.37	4	9010	JUPITER	5149	4	MJ	4856
	11	19	10	34	13.3321	3	4	37	17.630	- 3	1	31.26	4	9010	JUPITER	5149	6	MJ	4857
	11	19	10	36	22.1771	3	4	30	0.044	21	4	5.71	4	9010	JUPITER	5150	2	PB	4834
	11	19	10	36	26.1779	3	4	29	30.588	21	56	7.41	4	9010	JUPITER	5150	4	PB	4835
	11	19	10	40	35.1300	3	2	8	34.545	71	13	38.60	4	9010	JUPITER	5151	3	SY	4836
	11	19	10	40	43.1323	3	1	55	33.514	72	4	55.60	4	9010	JUPITER	5151	5	SY	4837
	11	19	17	9	31.6989	3	1	13	17.744	-71	2	21.64	4	9003	WOOMERA	6813	4	SJ	4488
	11	19	17	9	53.1165	3	2	5	22.212	-70	37	8.92	4	9003	WOOMERA	6813	15	SJ	5639
	11	20	5	19	10.8913	1	9	56	18.829	-13	48	3.30	4	9011	VILLA DOLO	4043	4	MJ	5278
	11	20	5	19	14.8911	1	9	55	48.749	-13	6	46.56	4	9011	VILLA DOLO	4043	5	MJ	4877
	11	20	10	51	32.7248	3	10	55	59.303	29	20	1.53	4	9001	ORGAN PASS	4334	4	KA	4483
	11	20	10	51	34.7248	3	10	57	54.926	29	47	18.34	4	9001	ORGAN PASS	4334	5	KA	4484
	11	20	12	36	21.6835	3	4	8	25.577	27	58	15.34	4	9001	ORGAN PASS	4338	2	PB	5274
	11	20	12	36	27.6839	3	4	6	58.192	29	7	54.38	4	9001	ORGAN PASS	4338	5	PB	4485
	11	20	12	40	6.4989	3	1	35	3.046	66	20	13.61	4	9001	ORGAN PASS	4339	4	PB	4486
	11	20	12	40	14.4990	3	1	23	19.601	67	3	18.78	4	9001	ORGAN PASS	4339	6	PB	4487
	11	20	15	37	21.6074	3	12	29	8.394	-64	12	6.04	4	9003	WOOMERA	6831	4	SJ	4490
	11	20	15	37	37.1916	3	12	10	40.219	-62	30	57.49	4	9003	WOOMERA	6831	12	SJ	4491
	11	20	15	38	53.7359	3	11	4	7.989	-51	24	5.14	4	9003	WOOMERA	6832	5	SJ	4492
	11	20	15	39	3.4909	3	10	58	7.067	-49	43	46.59	4	9003	WOOMERA	6832	10	SJ	4493
	11	20	15	42	11.5937	3	9	59	21.011	-15	26	28.83	4	9003	WOOMERA	6833	5	YK	4759
	11	20	15	42	21.3537	3	9	58	3.539	-13	49	26.14	4	9003	WOOMERA	6833	10	YK	4760
	11	20	17	24	58.2154	3	2	26	24.277	-42	28	15.23	4	9003	WOOMERA	6845	5	AY	4494
	11	21	15	50	59.2248	3	14	54	33.373	-77	16	31.55	4	9003	WOOMERA	6861	7	MJ	4761
	11	21	15	51	10.9161	3	14	20	51.828	-77	19	38.90	4	9003	WOOMERA	6861	10	MJ	4762
	11	21	15	52	56.0281	3	10	38	7.600	-65	1	28.34	4	9003	WOOMERA	6862	9	KA	5065
	11	21	15	53	7.7150	3	10	26	46.861	-62	35	58.50	4	9003	WOOMERA	6862	12	KA	6813
	11	22	16	5	46.8523	3	20	55	28.131	-84	5	26.19	4	9003	WOOMERA	6894	6	KA	5067
	11	22	16	5	58.5405	3	21	29	46.522	-85	57	7.47	4	9003	WOOMERA	6894	12	KA	5068
	11	22	16	8	43.9629	3	7	51	20.687	-49	44	54.85	4	9003	WOOMERA	6895	2	AY	5069
	11	22	16	8	51.7581	3	7	52	41.740	-46	59	33.61	4	9003	WOOMERA	6895	6	AY	5070
	11	23	11	37	24.5444	3	23	3	17.018	76	59	40.54	4	9001	ORGAN PASS	4347	3	AY	5644
	11	23	11	37	32.5444	3	22	40	38.732	76	54	58.19	4	9001	ORGAN PASS	4347	5	AY	4756
	11	24	14	48	26.6676	3	11	57	41.904	-66	18	33.03	4	9003	WOOMERA	6943	2	MJ	4763
	11	24	14	48	46.1766	3	11	32	6.206	-64	12	31.07	4	9003	WOOMERA	6943	7	MJ	4764
	11	24	14	51	21.1052	3	9	43	5.036	-37	37	14.22	4	9003	WOOMERA	6944	4	SV	4765
	11	24	14	51	26.9574	3	9	41	6.343	-36	27	12.51	4	9003	WOOMERA	6944	7	SV	4766
	11	24	16	35	6.1665	3	0	44	41.407	-45	42	30.77	4	9003	WOOMERA	6950	3	SD	4767
	11	25	6	25	15.9675	1	0	13	3.957	-33	8	51.44	4	9011	VILLA DOLO	4095	7	AY	4878
	11	26	4	53	22.0890	1	21	23	21.681	-75	26	11.54	4	9011	VILLA DOLO	4112	3	SD	5072
	11	26	4	53	30.0888	1	21	36	33.029	-76	19	2.23	4	9011	VILLA DOLO	4112	5	SD	5073
	11	26	15	18	4.1039	3	4	35	43.946	-81	1	32.30	4	9003	WOOMERA	6989	5	SD	4768

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1961	11	26	15	18	15.7887	3	5	10	53.982	-78	37	53.55	4	9003	WOOMERA	6989 10	SD	4769
	11	27	3	24	44.4468	1	9	33	53.425	-37	58	5.60	4	9011	VILLA DOLO	4129 4	SD	5075
	11	27	3	24	48.4468	1	9	32	24.402	-37	17	51.11	4	9011	VILLA DOLO	4129 5	SD	7282
	11	27	13	47	4.5548	3	9	52	44.217	-44	35	23.00	4	9003	WOOMERA	7010 3	SD	4770
	11	28	3	38	24.4214	1	9	21	33.118	-51	45	22.79	4	9011	VILLA DOLO	4146 4	AY	5077
	11	28	3	38	36.4209	1	9	14	41.077	-49	11	51.99	4	9011	VILLA DOLO	4146 7	AY	5078
	11	28	5	22	12.9497	1	23	29	57.289	-43	7	5.97	4	9011	VILLA DOLO	4154 1	MJ	5079
	11	28	5	22	16.9496	1	23	33	2.306	-42	52	54.89	4	9011	VILLA DOLO	4154 2	MJ	5080
	11	28	15	45	27.4269	3	23	28	53.422	-45	42	37.79	4	9003	WOOMERA	7023 5	SD	4771
	11	28	15	45	31.3236	3	23	32	5.738	-45	29	26.97	4	9003	WOOMERA	7023 7	SD	4772
	12	1	12	57	3.1918	3	9	56	45.734	-55	37	2.04	4	9003	WOOMERA	7089 6	YN	6010
	12	1	12	57	26.7086	3	9	39	25.657	-52	26	25.77	4	9003	WOOMERA	7089 12	YN	6011
	12	1	12	59	3.5154	3	8	50	54.828	-37	13	26.08	4	9003	WOOMERA	7090 3	MN	6012
	12	1	12	59	11.3548	3	8	48	12.838	-35	55	2.16	4	9003	WOOMERA	7090 5	MN	6013
	12	1	14	43	3.3075	3	23	38	15.626	-58	23	46.83	4	9003	WOOMERA	7098 3	PT	6399
	12	1	14	43	13.1115	3	23	52	28.638	-57	47	27.35	4	9003	WOOMERA	7098 8	PT	6400
	12	2	13	9	58.4996	3	12	14	44.923	-72	59	0.09	4	9003	WOOMERA	7120 3	PT	6401
	12	2	13	10	21.9962	3	11	26	42.980	-71	58	2.72	4	9003	WOOMERA	7120 9	PT	6402
	12	2	13	11	34.5501	3	9	33	3.276	-63	41	21.10	4	9003	WOOMERA	7121 3	VD	6014
	12	2	13	12	5.8884	3	9	2	53.311	-58	14	24.19	4	9003	WOOMERA	7121 11	VD	6015
	12	2	14	56	39.9303	3	22	59	40.921	-42	30	28.66	4	9003	WOOMERA	7132 5	YN	6016
	12	2	14	56	47.7665	3	23	5	45.975	-41	57	33.68	4	9003	WOOMERA	7132 7	YN	6017
	12	3	3	3	40.5214	1	6	49	58.981	-66	40	8.41	4	9011	VILLA DOLO	4236 5	LE	6071
	12	3	3	3	44.5213	1	6	49	1.431	-65	30	30.51	4	9011	VILLA DOLO	4236 7	LE	6072
	12	3	13	24	17.1431	3	15	47	18.582	-81	5	10.64	4	9003	WOOMERA	7149 7	GN	6018
	12	3	13	24	36.7341	3	14	43	24.408	-83	14	5.54	4	9003	WOOMERA	7149 12	GN	6788
	12	5	12	9	32.5575	3	8	25	38.663	-44	32	35.15	4	9003	WOOMERA	7191 3	PT	6403
	12	5	12	9	44.2835	3	8	20	17.333	-42	32	49.70	4	9003	WOOMERA	7191 6	PT	6404
	12	5	12	11	7.6158	3	7	52	51.715	-28	1	39.99	4	9003	WOOMERA	7192 4	YN	6020
	12	5	13	54	53.6285	3	23	56	11.341	-50	11	46.83	4	9003	WOOMERA	7202 11	MN	6405
	12	5	13	54	57.5450	3	0	1	15.940	-49	40	17.34	4	9003	WOOMERA	7202 13	MN	6406
	12	6	12	21	6.6115	3	11	53	13.043	-74	51	15.56	4	9003	WOOMERA	7216 2	GN	6021
	12	6	12	21	10.5202	3	11	43	57.808	-74	47	38.35	4	9003	WOOMERA	7216 3	GN	6022
	12	6	12	22	39.4493	3	8	52	27.671	-66	17	44.55	4	9003	WOOMERA	7217 3	MN	6407
	12	6	12	22	57.0434	3	8	32	20.065	-63	16	1.86	4	9003	WOOMERA	7217 12	MN	9900
	12	6	12	25	6.5491	3	7	20	54.189	-34	38	35.90	4	9003	WOOMERA	7218 3	BO	5970
	12	6	12	25	22.1974	3	7	17	7.175	-30	57	44.97	4	9003	WOOMERA	7218 11	BO	5971
	12	6	14	7	45.6494	3	22	24	47.740	-39	51	27.37	4	9003	WOOMERA	7226 3	LE	5972
	12	6	14	7	53.4641	3	22	30	25.867	-39	16	7.98	4	9003	WOOMERA	7226 5	LE	5973
	12	7	12	39	1.3690	3	6	1	40.984	-45	53	52.89	4	9003	WOOMERA	7251 11	GN	6408
	12	7	12	39	7.2363	3	6	1	30.441	-43	57	19.14	4	9003	WOOMERA	7251 14	GN	7308
	12	7	14	22	27.7132	3	22	46	59.714	-25	22	41.28	4	9003	WOOMERA	7259 3	LE	5974
	12	7	14	22	55.1164	3	23	1	19.655	-22	26	57.89	4	9003	WOOMERA	7259 10	LE	5975
	12	8	12	50	8.8856	3	20	50	48.284	-71	20	4.55	4	9003	WOOMERA	7281 3	BO	6786
	12	8	12	50	14.7438	3	21	1	40.684	-71	38	29.14	4	9003	WOOMERA	7281 6	BO	5977

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1961	12	9	2	41	29.5115	1	21	45	53.647	-49	23	15.29	4	9011	VILLA DOLO	4301	7	YN	6073
	12	9	2	44	12.2681	1	0	31	7.219	-26	36	42.37	4	9011	VILLA DOLO	4302	3	YN	6074
	12	9	2	44	20.2682	1	0	38	34.515	-24	36	50.29	4	9011	VILLA DOLO	4302	7	YN	6075
	12	9	11	18	20.9016	3	9	43	1.444	-65	7	0.30	4	9003	WOOMERA	7302	5	GN	5978
	12	9	11	18	26.7645	3	9	35	31.610	-64	35	44.33	4	9003	WOOMERA	7302	8	GN	5979
	12	9	11	20	9.5058	3	8	0	58.003	-50	51	55.94	4	9003	WOOMERA	7303	5	VD	5980
	12	9	11	20	19.2751	3	7	55	8.271	-49	13	20.88	4	9003	WOOMERA	7303	10	VD	5981
	12	9	11	23	27.7510	3	6	57	28.454	-15	37	54.93	4	9003	WOOMERA	7304	3	PT	5982
	12	9	11	23	55.1017	3	6	54	7.502	-11	16	3.13	4	9003	WOOMERA	7304	10	PT	5983
	12	10	1	13	53.5621	1	6	17	8.564	-23	20	4.32	4	9011	VILLA DOLO	4320	3	LE	6076
	12	10	1	14	1.5625	1	6	16	13.239	-21	20	48.35	4	9011	VILLA DOLO	4320	5	LE	6077
	12	10	2	57	43.6003	1	23	14	26.359	-20	24	51.53	4	9011	VILLA DOLO	4327	7	VD	6078
	12	11	1	24	25.8255	1	21	53	11.376	-85	45	33.68	4	9011	VILLA DOLO	4349	6	VD	6215
	12	13	1	53	48.9634	3	22	19	32.509	-39	43	48.08	4	9011	VILLA DOLO	4397	4	LE	6080
	12	13	1	53	56.9632	3	22	27	8.470	-38	40	4.10	4	9011	VILLA DOLO	4397	6	LE	6081
	12	13	12	16	36.6441	3	21	58	21.943	-45	43	1.01	4	9003	WOOMERA	7347	4	VD	5984
	12	13	12	16	46.4010	3	22	8	21.046	-44	41	4.42	4	9003	WOOMERA	7347	9	VD	5985
	12	13	12	20	55.8664	3	1	39	44.311	12	45	7.97	4	9003	WOOMERA	7348	5	BO	5986
	12	13	12	21	1.7219	3	1	43	4.457	14	4	18.87	4	9003	WOOMERA	7348	8	BO	5987
	12	14	0	23	6.4814	3	5	52	55.553	-55	16	23.98	4	9011	VILLA DOLO	4410	3	LE	6082
	12	14	0	23	10.4818	3	5	51	12.495	-54	10	35.84	4	9011	VILLA DOLO	4410	5	LE	6083
	12	14	2	11	36.4446	3	0	7	26.501	11	52	23.52	4	9011	VILLA DOLO	4426	3	LE	6084
	12	14	2	11	52.4451	3	0	15	15.289	14	43	59.09	4	9011	VILLA DOLO	4426	7	LE	6085
	12	14	12	29	43.7684	3	21	6	26.873	-36	1	27.17	4	9003	WOOMERA	7379	5	BO	5988
	12	14	12	31	28.2144	3	22	13	22.171	-24	58	53.25	4	9003	WOOMERA	7380	3	LE	5989
	12	14	12	31	39.9712	3	22	20	57.140	-23	16	50.03	4	9003	WOOMERA	7380	9	LE	5990
	12	14	12	35	4.6080	3	0	19	44.503	15	3	12.79	4	9003	WOOMERA	7381	4	BO	5991
	12	14	12	35	6.5659	3	0	20	42.811	15	24	47.26	4	9003	WOOMERA	7381	5	BO	5992
	12	15	12	46	21.3278	3	22	22	8.944	- 9	54	59.57	4	9003	WOOMERA	7409	9	MN	5993
	12	15	12	46	27.1929	3	22	24	47.387	- 9	7	2.36	4	9003	WOOMERA	7409	12	MN	6659
	12	15	12	49	23.2382	3	23	37	35.657	16	58	4.12	4	9003	WOOMERA	7411	11	VD	6229
	12	16	0	51	9.2613	3	22	59	59.541	-52	48	34.30	4	9011	VILLA DOLO	4451	3	VD	6216
	12	16	0	51	11.2625	3	23	3	0.994	-52	27	36.16	4	9011	VILLA DOLO	4451	4	VD	6217
	12	16	11	14	37.5318	3	23	47	43.528	-53	13	25.98	4	9003	WOOMERA	7421	2	LE	5995
	12	16	11	14	51.2221	3	0	7	36.759	-49	55	44.65	4	9003	WOOMERA	7421	9	LE	5996
	12	17	1	6	13.3074	3	22	46	12.014	-22	59	46.43	4	9011	VILLA DOLO	4475	4	GN	6801
	12	17	1	6	21.3073	3	22	52	42.756	-21	16	53.82	4	9011	VILLA DOLO	4475	8	GN	6802
	12	17	11	29	3.0800	3	22	33	37.807	-30	1	54.25	4	9003	WOOMERA	7443	3	PT	6787
	12	17	11	29	8.9461	3	22	38	52.715	-28	50	21.34	4	9003	WOOMERA	7443	6	PT	5998
	12	18	1	19	57.3611	3	21	55	52.784	-16	5	26.78	4	9011	VILLA DOLO	4500	4	VD	6218
	12	18	1	20	9.3593	3	22	2	39.774	-14	15	0.13	4	9011	VILLA DOLO	4500	7	VD	7693
	12	18	11	41	2.1634	3	20	39	16.831	-32	50	43.02	4	9003	WOOMERA	7468	5	BO	5999
	12	18	11	41	14.1628	3	20	46	24.440	-31	48	29.03	4	9003	WOOMERA	7468	8	BO	6000
	12	18	11	43	19.5785	3	22	1	39.787	-15	52	34.48	4	9003	WOOMERA	7469	3	MN	6001
	12	18	11	43	35.5786	3	22	11	0.661	-13	12	1.98	4	9003	WOOMERA	7469	7	MN	6002

CATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1961	12	18	11	47	30.1121	3	0	8	12.556	28	11	54.78	4	9003	WOOMERA	7470	3	GN	6003
	12	18	11	47	50.1132	3	0	16	20.228	30	59	50.47	4	9003	WOOMERA	7470	8	GN	6004
	12	19	11	57	57.8545	3	21	56	40.354	- 4	34	4.39	4	9003	WOOMERA	7493	6	MN	6410
	12	19	11	58	5.6740	3	21	59	55.356	- 3	29	17.80	4	9003	WOOMERA	7493	8	MN	6411
	12	19	11	59	39.0380	3	22	36	53.011	9	55	1.91	4	9003	WOOMERA	7494	3	GN	6799
	12	19	11	59	54.6829	3	22	42	43.520	12	10	29.06	4	9003	WOOMERA	7494	7	GN	7696
	12	21	20	5	22.0566	3	20	6	38.028	64	5	17.34	4	9005	TOKYO	4338	9	PG	7306
	12	21	20	5	26.8433	3	19	59	38.333	63	43	14.17	4	9005	TOKYO	4338	10	PG	6212
	12	21	20	7	8.5474	3	18	7	44.918	50	9	23.38	4	9005	TOKYO	4339	5	RO	6086
	12	21	20	7	22.9299	3	17	57	30.922	47	35	42.03	4	9005	TOKYO	4339	8	RO	6789
	12	22	10	55	17.3720	3	21	49	20.505	- 5	23	41.01	4	9003	WOOMERA	7550	6	LE	6660
	12	22	10	56	34.2212	3	22	27	52.235	8	20	4.11	4	9003	WOOMERA	7551	3	GN	7697
	12	22	10	56	38.2211	3	22	29	46.299	9	2	40.58	4	9003	WOOMERA	7551	5	GN	6415
	12	22	10	59	0.7997	1	23	30	33.519	31	24	55.78	4	9003	WOOMERA	7552	5	AY	7878
	12	22	10	59	12.8000	1	23	35	6.149	32	58	4.72	4	9003	WOOMERA	7552	8	AY	1566
	12	22	17	55	14.2072	1	0	10	6.261	33	36	48.54	4	9002	OLIFANTS	5594	4	LE	5867
	12	22	17	55	22.2072	1	0	13	34.819	34	50	22.59	4	9002	OLIFANTS	5594	6	LE	5868
	12	22	20	18	21.1315	3	23	52	50.373	70	6	41.65	4	9005	TOKYO	4352	8	RO	7266
	12	22	20	18	25.9215	3	23	46	34.987	70	30	59.86	4	9005	TOKYO	4352	9	RO	7267
	12	22	20	20	59.7011	3	18	12	31.945	65	31	53.71	4	9005	TOKYO	4353	4	RO	7304
	12	22	20	21	21.3470	3	17	44	6.995	61	5	35.32	4	9005	TOKYO	4353	13	RO	6091
	12	24	12	8	38.9221	1	19	13	22.101	64	2	8.16	4	9001	ORGAN PASS	4528	4	RO	6785
	12	24	12	8	40.9221	1	19	10	40.613	63	49	56.70	4	9001	ORGAN PASS	4528	5	RO	5852
	12	24	12	10	12.5228	1	17	39	16.368	50	17	9.14	4	9001	ORGAN PASS	4529	2	BO	5853
	12	24	12	10	18.5228	1	17	35	14.489	49	10	55.30	4	9001	ORGAN PASS	4529	5	BO	5854
	12	25	12	22	5.5228	10	22	25	47.651	75	58	20.12	4	9001	ORGAN PASS	4551	4	BO	5855
	12	25	12	22	13.5229	10	22	5	46.677	76	21	52.54	4	9001	ORGAN PASS	4551	6	BO	5856
	12	25	12	24	1.2250	1	17	32	14.067	67	18	40.49	4	9001	ORGAN PASS	4552	3	BO	5857
	12	25	12	24	3.2251	1	17	29	26.036	66	54	16.40	4	9001	ORGAN PASS	4552	4	BO	5858
	12	25	19	16	40.1055	3	19	17	39.558	64	45	0.00	4	9005	TOKYO	4392	10	PT	7692
	12	25	19	16	49.6938	3	19	3	8.797	63	52	0.57	4	9005	TOKYO	4392	11	PT	6093
	12	25	19	18	6.4353	3	17	34	13.583	52	57	9.08	4	9005	TOKYO	4393	5	PT	6793
	12	25	19	18	35.2133	3	17	12	28.478	47	35	57.89	4	9005	TOKYO	4393	8	PT	6794
	12	26	5	5	29.9822	1	3	32	55.085	-42	47	34.64	4	9012	MAUI	5025	5	PG	6220
	12	26	5	5	37.9824	1	3	35	40.138	-41	41	48.62	4	9012	MAUI	5025	7	PG	6221
	12	26	5	7	28.1344	1	4	15	32.045	-23	37	12.26	4	9012	MAUI	5026	2	PG	6222
	12	26	5	7	44.1354	1	4	21	41.498	-20	33	8.56	4	9012	MAUI	5026	6	PG	6223
	12	26	5	10	1.6817	1	5	19	12.551	7	26	40.06	4	9012	MAUI	5027	4	GN	6416
	12	26	5	10	5.6818	1	5	21	0.047	8	13	13.53	4	9012	MAUI	5027	6	GN	6417
	12	26	12	38	32.8476	1	13	41	35.093	77	30	4.99	4	9001	ORGAN PASS	4570	3	CB	7378
	12	26	12	38	34.8477	1	13	43	39.207	76	55	44.35	4	9001	ORGAN PASS	4570	4	CB	7379
	12	26	19	30	12.5952	10	22	28	54.270	74	29	19.84	4	9005	TOKYO	4413	4	LE	6232
	12	26	19	30	22.1768	10	22	6	41.775	75	7	21.43	4	9005	TOKYO	4413	5	LE	6233
	12	26	19	33	3.6090	10	16	22	5.691	54	6	53.46	4	9005	TOKYO	4414	7	PG	6213
	12	26	19	33	13.1795	10	16	15	36.491	51	30	7.74	4	9005	TOKYO	4414	9	PG	6214

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1961	12	27	5	21	3.3887	1	2	32	19.514	-31	20	40.44	4	9012	MAUI	5044	6	MN	6420
	12	27	5	21	5.3888	1	2	33	17.684	-30	56	55.85	4	9012	MAUI	5044	7	MN	6421
	12	27	19	45	10.4085	3	2	33	43.878	80	31	57.81	4	9005	TOKYO	4434	6	LE	6234
	12	27	19	45	15.1943	3	2	37	22.606	81	24	41.80	4	9005	TOKYO	4434	7	LE	6235
	12	27	19	47	54.5756	3	14	6	47.333	51	13	45.52	4	9005	TOKYO	4435	2	PT	6096
	12	27	19	48	18.5201	3	14	10	25.195	41	36	26.02	4	9005	TOKYO	4435	12	PT	6795
	12	28	5	35	17.8033	1	0	28	15.540	-25	14	27.27	4	9012	MAUI	5060	4	PG	6224
	12	28	9	8	9.5694	3	4	51	52.409	- 3	36	23.76	4	9005	TOKYO	4441	16	VD	6104
	12	28	11	21	49.3897	1	16	38	13.720	45	32	32.38	8	9001	ORGAN PASS	4601	3	YN	5859
	12	28	13	6	44.7744	1	7	31	33.964	39	49	16.86	4	9001	ORGAN PASS	4610	3	LE	5891
	12	28	13	6	52.7746	1	7	39	35.195	38	46	27.98	4	9001	ORGAN PASS	4610	7	LE	5892
	12	28	13	10	20.2753	1	10	44	25.919	-11	34	4.02	4	9001	ORGAN PASS	4611	3	YN	6005
	12	28	13	10	26.2752	1	10	48	26.319	-13	1	55.64	4	9001	ORGAN PASS	4611	6	YN	6006
	12	28	19	59	38.3413	3	5	39	24.446	64	47	30.39	4	9005	TOKYO	4457	4	LE	6236
	12	28	19	59	47.9181	3	5	56	7.115	65	7	24.55	4	9005	TOKYO	4457	6	LE	6237
	12	28	20	1	59.7767	3	10	33	31.912	47	15	8.86	4	9005	TOKYO	4458	4	LE	7307
	12	28	20	2	16.5339	3	10	57	25.716	41	12	36.77	4	9005	TOKYO	4458	11	LE	6238
	12	29	9	58	30.9484	10	15	10	1.965	47	43	58.80	4	9009	CURACAO	4159	5	GN	7694
	12	29	11	36	45.9805	1	15	25	23.299	43	6	1.23	4	9001	ORGAN PASS	4625	3	RO	5895
	12	29	11	36	51.9806	1	15	23	26.059	41	15	55.41	4	9001	ORGAN PASS	4625	6	RO	5896
	12	29	18	30	49.0476	3	15	55	6.490	34	23	36.19	4	9005	TOKYO	4478	10	MN	3970
	12	29	18	30	58.6451	3	15	51	34.368	32	19	52.09	4	9005	TOKYO	4478	12	MN	6103
	12	30	9	34	54.6017	3	1	45	26.469	-14	37	35.30	4	9005	TOKYO	4493	8	VD	6105
	12	30	9	34	59.4005	3	1	47	54.513	-13	39	24.73	4	9005	TOKYO	4493	9	VD	6106
	12	30	9	38	18.0482	3	4	37	55.975	39	33	25.04	4	9005	TOKYO	4494	5	VD	6107
	12	30	9	38	22.8483	3	4	44	2.682	40	34	24.32	4	9005	TOKYO	4494	6	VD	6108
	12	30	11	49	59.9230	1	12	18	36.135	71	4	25.51	4	9001	ORGAN PASS	4648	6	BO	5899
	12	30	11	50	5.9232	1	12	26	33.420	69	10	7.74	4	9001	ORGAN PASS	4648	9	BO	5900
	12	30	11	51	35.1061	1	13	21	57.668	34	11	11.78	4	9001	ORGAN PASS	4649	3	PT	6007
	12	30	18	46	39.2715	3	14	45	59.898	12	54	17.36	4	9005	TOKYO	4508	2	VD	6109
	12	30	18	46	48.8728	3	14	45	9.289	10	38	59.04	4	9005	TOKYO	4508	4	VD	7918
	12	30	20	30	47.2763	3	8	17	54.084	8	39	48.82	4	9005	TOKYO	4515	5	PG	6111
	12	30	20	31	1.6850	3	8	27	47.379	5	48	32.89	4	9005	TOKYO	4515	8	PG	6112
	12	31	9	49	18.7821	3	0	8	40.505	- 5	4	18.66	4	9005	TOKYO	4522	11	PG	6113
	12	31	9	49	23.5793	3	0	10	6.200	- 3	57	39.77	4	9005	TOKYO	4522	12	PG	7268
	12	31	9	52	37.3412	3	2	26	46.376	60	53	17.90	4	9005	TOKYO	4523	5	PG	6115
	12	31	9	53	10.9265	3	3	39	38.891	68	57	5.36	4	9005	TOKYO	4523	12	PG	6116
	12	31	12	5	56.3044	1	10	41	43.060	20	47	11.46	4	9001	ORGAN PASS	4680	5	PT	6157
	12	31	12	5	58.3043	1	10	43	39.103	20	0	33.90	4	9001	ORGAN PASS	4680	6	PT	5905
	12	31	23	34	48.8934	10	21	20	40.669	10	39	0.26	4	9009	CURACAO	4182	4	PG	6118
	12	31	23	35	4.8937	10	21	21	29.758	14	12	46.24	4	9009	CURACAO	4182	8	PG	6119
	12	31	23	39	8.8942	10	21	0	49.173	65	20	24.23	4	9009	CURACAO	4183	5	PG	6662
	12	31	23	39	16.8945	10	20	57	53.525	66	34	41.47	4	9009	CURACAO	4183	7	PG	6663
1962	1	1	23	50	22.0487	10	20	43	4.723	25	57	0.71	4	9009	CURACAO	4189	4	FC	9850
	1	1	23	50	38.0483	10	20	42	3.011	28	40	35.64	4	9009	CURACAO	4189	8	FC	572

CATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.	MS	OBS.NO.
1962	1	2	5	2	19.5673	1	22	7	37.594	12	48	16.95	4	9012	MAUI	5161 5	VD	7681
	1	2	5	2	25.5674	1	22	8	11.396	14	33	46.10	4	9012	MAUI	5161 8	VD	7682
	1	2	9	7	20.6634	3	14	50	21.940	9	8	23.58	4	9010	JUPITER	5339 6	RO	8874
	1	2	10	19	14.9024	3	21	40	49.675	24	16	4.42	4	9005	TOKYO	4552 3	PG	7669
	1	2	10	19	34.0825	3	21	36	40.606	28	37	48.27	4	9005	TOKYO	4552 5	PG	7670
	1	2	10	22	57.6067	3	18	39	56.508	71	11	46.13	4	9005	TOKYO	4553 3	PG	7671
	1	2	10	23	7.2079	3	18	18	26.890	72	5	51.46	4	9005	TOKYO	4553 4	PG	7672
	1	2	19	30	58.3788	3	10	40	23.274	-27	34	59.89	4	9005	TOKYO	4565 5	PG	7665
	1	2	19	31	3.1868	3	10	42	47.096	-28	18	4.08	4	9005	TOKYO	4565 6	PG	7666
	1	3	5	15	12.1057	1	21	5	29.819	- 0	25	49.81	4	9012	MAUI	5184 8	RO	8471
	1	3	5	21	1.1842	1	19	34	6.560	68	32	30.26	4	9012	MAUI	5186 5	RO	8472
	1	3	8	47	1.6764	10	1	25	3.041	1	19	32.60	4	9005	TOKYO	4571 7	PI	8860
	1	3	8	47	24.1939	10	1	40	44.058	7	55	0.21	4	9005	TOKYO	4571 13	PI	8134
	1	3	9	22	24.6139	3	13	41	40.438	-10	3	18.19	4	9010	JUPITER	5350 6	LE	8469
	1	3	9	22	28.3095	10	9	10	54.580	63	6	43.44	4	9009	CURACAO	4199 7	RO	8466
	1	3	9	22	28.6140	3	13	42	15.925	-10	57	22.50	4	9010	JUPITER	5350 7	LE	8470
	1	3	9	22	32.2999	10	9	15	55.772	62	33	49.88	4	9009	CURACAO	4199 8	RO	8467
	1	3	9	25	21.7569	10	11	51	40.273	10	16	23.70	4	9009	CURACAO	4200 4	VD	7677
	1	3	9	25	25.7569	10	11	54	15.169	8	30	20.32	4	9009	CURACAO	4200 6	VD	7678
	1	3	10	34	37.9621	3	20	46	23.204	35	13	45.34	4	9005	TOKYO	4578 3	PG	7673
	1	3	10	34	47.5599	3	20	42	41.568	36	57	18.00	4	9005	TOKYO	4578 4	PG	1574
	1	3	10	37	28.9795	3	18	38	47.403	61	49	4.64	4	9005	TOKYO	4579 3	PG	7675
	1	3	10	37	38.5758	3	18	26	25.406	62	43	17.46	4	9005	TOKYO	4579 4	PG	7676
	1	4	9	37	28.8987	10	8	2	56.585	33	6	50.83	4	9009	CURACAO	4212 7	RO	8468
	1	4	9	39	44.7176	10	9	23	8.148	- 5	49	51.26	4	9009	CURACAO	4213 5	PI	8861
	1	4	9	39	56.7180	10	9	29	47.892	- 9	52	3.63	4	9009	CURACAO	4213 8	PI	8136
	1	5	9	16	34.2026	10	21	51	53.563	33	9	56.05	4	9005	TOKYO	4615 11	PG	7667
	1	5	9	16	46.3029	10	21	50	23.952	36	56	5.47	4	9005	TOKYO	4615 13	PG	7668
	1	5	9	54	1.0873	10	8	9	55.118	-11	38	31.40	4	9009	CURACAO	4223 3	PI	8137
	1	5	9	54	13.0874	10	8	13	50.298	-14	23	10.15	4	9009	CURACAO	4223 6	PI	8138
	1	7	18	25	41.3183	3	20	54	57.106	79	41	41.27	4	9004	SAN FERNAN	4802 10	PG	7663
	1	7	18	25	45.3183	3	20	46	53.850	80	40	47.11	4	9004	SAN FERNAN	4802 12	PG	7664
	1	11	18	25	22.2266	1	16	20	12.192	-34	30	21.09	4	9003	WOOMERA	7748 6	RO	8130
	1	11	18	25	34.2266	1	16	29	0.734	-35	46	15.79	4	9003	WOOMERA	7748 12	RO	8131
	1	13	1	28	4.2413	1	11	32	25.686	30	15	20.15	4	9002	OLIFANTS	5772 5	PT	7925
	1	13	1	28	12.2417	1	11	36	40.448	28	40	50.31	4	9002	OLIFANTS	5772 7	PT	7926
	1	13	1	30	10.0857	1	12	52	7.561	- 3	25	47.01	4	9002	OLIFANTS	5773 2	PT	7927
	1	13	1	30	30.0862	1	13	7	46.737	-10	1	16.49	4	9002	OLIFANTS	5773 7	PT	7928
	1	13	1	33	44.2689	1	16	12	4.339	-50	19	49.82	4	9002	OLIFANTS	5774 4	BO	7929
	1	13	1	33	52.2688	1	16	19	40.482	-50	53	59.25	4	9002	OLIFANTS	5774 5	BO	7930
	1	14	1	42	31.8751	1	9	36	31.313	19	42	46.59	4	9002	OLIFANTS	5781 6	BO	7931
	1	14	1	42	39.8754	1	9	39	19.639	17	52	57.74	4	9002	OLIFANTS	5781 8	BO	8782
	1	14	1	44	0.6152	1	10	13	38.049	- 6	57	21.06	4	9002	OLIFANTS	5782 7	FC	8460
	1	15	1	56	59.5960	1	8	3	6.767	5	44	49.87	4	9002	OLIFANTS	5795 7	RO	7933
	1	15	1	57	7.5961	1	8	3	46.633	3	54	36.91	4	9002	OLIFANTS	5795 9	RO	7934

CATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME	NO.	MS	OBS.NO.
1962	1	15	1	58	58.4898	1	8	10	24.165	-28	56	59.06	4	9002	OLIFANTS	5796	5	RO	7935
	1	15	1	59	8.4898	1	8	10	39.611	-32	25	8.92	4	9002	OLIFANTS	5796	10	RO	7936
	1	15	2	2	45.5934	1	1	40	21.139	-87	19	37.26	4	9002	OLIFANTS	5797	4	VD	7651
	1	15	2	2	49.5934	1	0	51	18.845	-87	5	54.47	4	9002	OLIFANTS	5797	5	VD	7652
	1	16	2	11	47.5891	1	7	6	37.756	- 7	56	29.28	4	9002	OLIFANTS	5813	6	PI	8046
	1	16	2	12	3.5891	1	7	5	31.829	-11	14	2.79	4	9002	OLIFANTS	5813	10	PI	8047
	1	16	2	13	3.7643	1	6	58	43.833	-24	42	51.47	4	9002	OLIFANTS	5814	2	VD	8789
	1	16	2	13	15.7647	1	6	56	44.467	-27	33	28.53	4	9002	OLIFANTS	5814	5	VD	7656
	1	16	2	15	28.8948	1	6	7	23.153	-58	2	11.62	4	9002	OLIFANTS	5815	4	VD	7657
	1	16	2	15	36.8947	1	6	1	43.418	-59	35	24.80	4	9002	OLIFANTS	5815	6	VD	7658
	1	17	18	3	3.0601	3	9	48	35.692	-53	35	32.27	4	9003	WOOMERA	7800	4	PI	8050
	1	17	18	3	7.0600	3	9	51	51.026	-55	5	50.95	4	9003	WOOMERA	7800	6	PI	8051
	1	18	6	9	0.6621	1	14	17	43.936	-13	58	26.74	4	9011	VILLA DOLO	4680	3	PI	8859
	1	18	6	9	8.6619	1	14	22	33.588	-15	19	14.42	4	9011	VILLA DOLO	4680	5	PI	8121
	1	18	7	52	11.8885	1	7	25	20.029	- 7	52	25.49	4	9011	VILLA DOLO	4685	3	PI	8122
	1	18	7	52	19.8884	1	7	25	1.576	- 9	46	9.47	4	9011	VILLA DOLO	4685	5	PI	8123
	1	18	7	54	32.9674	1	7	4	50.465	-47	51	51.37	4	9011	VILLA DOLO	4686	3	LE	8124
	1	18	7	54	34.9676	1	7	4	8.970	-48	28	1.21	4	9011	VILLA DOLO	4686	4	LE	8125
	1	18	16	31	11.9873	3	13	54	29.885	- 7	19	40.55	4	9003	WOOMERA	7808	3	FC	8462
	1	18	16	33	0.5197	3	14	57	7.665	-24	15	18.21	4	9003	WOOMERA	7809	3	GN	8052
	1	18	16	33	10.5196	3	15	2	57.314	-25	27	58.45	4	9003	WOOMERA	7809	8	GN	8053
	1	18	18	17	12.7828	3	7	5	53.694	-46	49	52.07	4	9003	WOOMERA	7814	7	GN	8865
	1	18	18	17	16.7829	3	7	4	42.944	-48	3	36.39	4	9003	WOOMERA	7814	9	GN	8866
	1	19	18	29	47.9374	3	6	29	37.331	-18	8	40.22	4	9003	WOOMERA	7826	4	LE	9845
	1	19	18	29	55.9373	3	6	28	18.417	-19	45	23.28	4	9003	WOOMERA	7826	8	LE	8114
	1	19	18	31	30.5181	3	6	3	11.049	-40	3	15.63	4	9003	WOOMERA	7827	6	RO	8115
	1	19	18	31	34.5182	3	6	1	35.177	-40	55	33.52	4	9003	WOOMERA	7827	8	RO	8116
	1	20	6	36	45.7736	1	11	21	43.694	-35	39	53.27	4	9011	VILLA DOLO	4691	4	LE	8126
	1	20	6	36	49.7734	1	11	26	23.601	-37	6	12.24	4	9011	VILLA DOLO	4691	6	LE	8127
	1	20	6	37	50.8081	1	12	54	53.526	-54	34	57.30	4	9011	VILLA DOLO	4692	3	PI	8128
	1	20	6	37	54.8079	1	13	1	47.514	-55	22	59.40	4	9011	VILLA DOLO	4692	5	PI	8129
	1	20	16	59	48.7277	3	11	48	46.001	-40	34	54.27	4	9003	WOOMERA	7833	9	FC	8463
	1	20	17	1	7.8249	3	13	50	43.518	-58	6	6.27	4	9003	WOOMERA	7834	4	PI	8858
	1	20	17	1	13.8248	3	14	1	5.489	-58	47	40.44	4	9003	WOOMERA	7834	7	PI	8117
	1	22	17	28	25.1693	3	6	10	31.291	-47	36	18.59	4	9003	WOOMERA	7836	9	GN	8056
	1	22	17	28	31.1691	3	6	8	12.427	-49	18	35.09	4	9003	WOOMERA	7836	12	GN	8057
	1	22	17	29	31.6836	3	5	29	40.985	-65	4	49.81	4	9003	WOOMERA	7837	1	RO	8464
	1	22	17	29	37.6834	3	5	23	33.831	-66	26	44.63	4	9003	WOOMERA	7837	4	RO	8465
	1	24	16	12	38.6320	3	13	50	8.027	-65	2	15.80	4	9003	WOOMERA	7859	3	GN	8058
	1	24	16	13	8.6312	3	14	48	2.300	-65	57	57.23	4	9003	WOOMERA	7859	18	GN	8059
	1	29	15	39	1.1488	3	19	39	4.209	-84	55	59.97	4	9003	WOOMERA	7880	10	BO	8060
	1	29	15	39	13.1486	3	19	21	29.757	-83	1	2.06	4	9003	WOOMERA	7880	16	BO	8061
	1	31	16	7	39.3032	3	1	49	57.555	-63	42	26.27	4	9003	WOOMERA	7897	6	BO	8062
	1	31	16	7	49.3032	3	1	37	29.721	-64	34	17.42	4	9003	WOOMERA	7897	11	BO	8063
	2	4	15	17	35.9695	1	2	20	48.557	-53	55	53.28	4	9003	WOOMERA	7969	8	VD	9351

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1962	2	4	19	58	48.3768	3	15	18	1.683	72	49	43.21	4	9004	SAN FERNAN	4995	6	PG	9333
	2	4	19	58	52.3768	3	15	8	57.474	72	59	30.61	4	9004	SAN FERNAN	4995	7	PG	9334
	2	6	10	3	25.1383	3	15	59	34.149	74	6	35.79	4	9005	TOKYO	4984	6	VD	8936
	2	6	10	3	34.7385	3	15	38	40.509	74	50	11.46	4	9005	TOKYO	4984	7	VD	8937
	2	6	10	5	26.1313	3	10	36	57.058	67	21	47.23	4	9005	TOKYO	4985	3	VD	8938
	2	6	10	5	45.3426	3	10	10	8.182	63	3	38.09	4	9005	TOKYO	4985	5	VD	8939
	2	7	10	17	58.6691	3	19	43	12.303	75	25	14.81	4	9005	TOKYO	4999	4	VD	8940
	2	7	10	18	8.2780	3	19	47	15.404	76	58	6.17	4	9005	TOKYO	4999	6	VD	8941
	2	7	10	20	42.8304	3	7	12	53.692	61	49	30.53	4	9005	TOKYO	5000	12	VD	4624
	2	7	14	15	20.8900	3	0	35	15.257	-69	24	20.18	4	9003	WOOMERA	8021	4	LE	9156
	2	7	14	15	32.6135	3	0	14	45.160	-70	23	3.76	4	9003	WOOMERA	8021	10	LE	9157
	2	9	12	56	53.8724	3	8	56	57.540	-81	9	17.47	4	9003	WOOMERA	8055	5	FC	9158
	2	9	12	57	1.8723	3	9	40	53.260	-82	0	28.83	4	9003	WOOMERA	8055	9	FC	9159
	2	10	0	40	16.3158	1	7	25	43.822	75	18	23.38	4	9010	JUPITER	5613	4	VD	9353
	2	10	0	40	18.3158	1	7	25	48.188	74	46	52.77	4	9010	JUPITER	5613	5	VD	9354
	2	10	2	23	12.4854	3	5	22	30.682	71	34	18.35	4	9001	ORGAN PASS	5044	4	FC	9146
	2	10	2	23	16.4852	3	5	28	44.049	70	19	52.33	4	9001	ORGAN PASS	5044	6	FC	9147
	2	10	2	27	33.8838	3	7	11	59.121	-15	51	25.00	4	9001	ORGAN PASS	5045	3	FC	9148
	2	10	2	27	37.8837	3	7	12	38.879	-16	34	5.68	4	9001	ORGAN PASS	5045	4	FC	9149
	2	10	11	25	43.3379	3	11	35	0.589	-29	19	33.04	4	9003	WOOMERA	8075	4	PG	8927
	2	10	11	25	51.3377	3	11	39	47.069	-30	8	4.79	4	9003	WOOMERA	8075	6	PG	8928
	2	10	13	9	15.8639	1	3	20	47.877	-43	49	47.94	4	9003	WOOMERA	8079	3	BO	9883
	2	10	13	9	29.8637	1	3	16	34.641	-47	56	47.10	4	9003	WOOMERA	8079	8	BO	9884
	2	11	0	55	17.7930	1	3	13	8.913	55	3	8.84	4	9010	JUPITER	5620	1	LE	9233
	2	11	0	55	25.7931	1	3	25	28.773	52	49	37.25	4	9010	JUPITER	5620	5	LE	9889
	2	11	2	37	31.4587	3	1	43	16.507	51	13	35.76	4	9001	ORGAN PASS	5056	3	LE	9150
	2	11	2	37	35.4588	3	1	49	51.980	50	24	49.11	4	9001	ORGAN PASS	5056	5	LE	9151
	2	11	11	36	59.9541	3	8	57	3.103	-11	2	20.19	4	9003	WOOMERA	8101	3	BO	9161
	2	11	11	37	5.9539	3	9	1	55.678	-12	41	11.90	4	9003	WOOMERA	8101	6	BO	9162
	2	11	13	20	46.1442	3	2	55	36.226	- 5	36	20.50	4	9003	WOOMERA	8105	5	PG	8929
	2	11	13	21	2.1440	3	2	54	13.886	- 8	15	41.03	4	9003	WOOMERA	8105	9	PG	8930
	2	11	13	22	49.3929	3	2	37	10.068	-28	43	0.46	4	9003	WOOMERA	8106	4	LE	9250
	2	11	13	22	59.3927	3	2	34	36.622	-30	48	1.04	4	9003	WOOMERA	8106	9	LE	9251
	2	11	23	28	40.7616	3	8	57	11.203	39	40	53.94	4	9009	CURACAO	4496	6	VD	9345
	2	11	23	28	44.7618	3	8	56	50.977	38	45	52.64	4	9009	CURACAO	4496	7	VD	9346
	2	11	23	31	45.1478	3	8	58	4.309	- 2	9	39.22	4	9009	CURACAO	4497	4	VD	9347
	2	11	23	31	49.1479	3	8	58	21.434	- 2	56	17.58	4	9009	CURACAO	4497	5	VD	9348
	2	12	2	51	54.6363	3	0	55	36.305	27	19	16.98	4	9001	ORGAN PASS	5069	5	GN	9132
	2	12	11	50	21.4563	3	6	21	33.146	- 6	33	44.47	4	9003	WOOMERA	8123	4	PG	8931
	2	12	11	50	57.4553	3	6	47	57.296	-19	59	15.19	4	9003	WOOMERA	8123	19	PG	8932
	2	13	6	35	43.4216	1	0	17	10.782	27	22	10.94	4	9012	MAUI	5594	4	PG	9361
	2	13	23	59	52.3052	3	5	48	15.201	-20	17	1.00	4	9009	CURACAO	4525	7	LE	9231
	2	13	23	59	56.3055	10	5	50	21.321	-21	32	12.80	4	9009	CURACAO	4525	8	LE	9232
	2	14	0	9	54.6241	1	8	26	7.772	11	23	6.03	4	9011	VILLA DOLO	4858	3	GN	408
	2	14	0	10	2.6239	1	8	30	37.401	9	44	23.89	4	9011	VILLA DOLO	4858	5	GN	2243

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1962	2	14	10	36	53.7196	3	11	2	45.056	-32	17	14.59	4	9003	WOOMERA	8140	7	RO	1581
	2	14	10	36	57.7196	3	11	5	17.034	-32	40	27.33	4	9003	WOOMERA	8140	8	RO	9176
	2	14	12	16	42.4595	3	2	52	1.459	7	24	40.75	4	9003	WOOMERA	8143	5	PG	156
	2	14	12	16	50.4597	3	2	52	3.786	6	7	57.61	4	9003	WOOMERA	8143	7	PG	8933
	2	15	0	24	3.4367	1	7	4	30.155	7	32	43.94	4	9011	VILLA DOLO	4861	8	FC	400
	2	15	0	24	7.4366	1	7	7	13.102	6	28	18.48	4	9011	VILLA DOLO	4861	10	FC	401
	2	15	12	32	36.4761	3	2	8	44.810	-13	56	43.18	4	9003	WOOMERA	8169	6	VD	9369
	2	15	12	34	16.0928	3	1	48	39.989	-32	44	53.69	4	9003	WOOMERA	8170	6	VD	9352
	2	15	12	37	42.5061	3	23	15	24.710	-66	32	18.08	4	9003	WOOMERA	8171	3	LE	9252
	2	15	12	37	54.5058	3	22	57	55.792	-67	28	45.50	4	9003	WOOMERA	8171	6	LE	9253
	2	18	1	4	46.7662	1	2	12	43.432	7	41	31.53	4	9011	VILLA DOLO	4880	3	GN	4864
	2	18	1	4	50.7661	1	2	12	42.498	7	6	56.50	4	9011	VILLA DOLO	4880	4	GN	7224
	2	18	18	22	21.9838	1	1	55	5.665	- 0	0	59.06	4	9002	OLIFANTS	6066	5	RO	2350
	2	18	18	22	25.9837	1	1	55	4.971	- 0	48	31.47	4	9002	OLIFANTS	6066	6	RO	9165
	2	18	18	23	56.0772	1	1	51	7.266	-21	31	24.86	4	9002	OLIFANTS	6067	4	BO	9166
	2	18	18	24	4.0771	1	1	50	20.630	-23	35	36.06	4	9002	OLIFANTS	6067	6	BO	9886
	2	18	18	27	27.9696	1	0	10	24.199	-71	59	56.24	4	9002	OLIFANTS	6068	4	FC	578
	2	21	2	21	43.1229	1	19	2	54.680	-18	10	38.91	4	9002	OLIFANTS	6144	5	BO	9167
	2	21	2	21	47.1230	1	19	2	30.910	-17	22	38.98	4	9002	OLIFANTS	6144	6	BO	579
	2	21	10	28	46.4950	3	2	16	31.723	-58	5	21.97	4	9003	WOOMERA	8263	6	PG	8934
	2	21	10	28	50.4947	3	2	15	54.595	-59	21	52.62	4	9003	WOOMERA	8263	8	PG	8935
	2	22	2	31	46.1765	1	19	47	18.907	-81	50	58.63	4	9002	OLIFANTS	6170	6	BN	1580
	2	22	2	31	54.1763	1	19	28	12.145	-80	36	5.54	4	9002	OLIFANTS	6170	7	BN	9170
	2	22	2	33	51.9918	1	18	10	56.693	-53	50	57.77	4	9002	OLIFANTS	6171	5	BN	9171
	2	22	2	33	55.9917	1	18	10	22.249	-52	43	22.93	4	9002	OLIFANTS	6171	6	BN	9172
	2	22	2	38	6.4851	1	18	12	24.414	11	43	8.12	4	9002	OLIFANTS	6172	3	BO	9173
	2	22	2	38	14.4850	1	18	13	2.365	13	3	13.90	4	9002	OLIFANTS	6172	4	BO	9174
	2	22	10	38	56.3892	3	1	23	53.754	3	53	36.54	4	9003	WOOMERA	8290	3	RO	9256
	2	22	10	39	12.3893	3	1	23	27.878	1	22	50.11	4	9003	WOOMERA	8290	7	RO	9257
	2	22	10	41	50.4131	3	1	5	37.967	-30	57	3.84	4	9003	WOOMERA	8291	6	FC	9258
	2	22	10	41	56.4130	3	1	4	11.288	-32	23	43.57	4	9003	WOOMERA	8291	9	FC	9259
	2	22	10	46	22.0071	3	19	45	27.781	-74	34	9.73	4	9003	WOOMERA	8292	8	FC	9260
	2	22	10	46	26.0070	3	19	36	58.347	-74	28	55.93	4	9003	WOOMERA	8292	9	FC	9261
	2	23	18	19	56.1931	1	18	57	46.975	-49	8	27.11	4	9003	WOOMERA	8343	14	FC	9262
	2	23	18	20	8.1928	1	18	52	21.756	-46	29	19.52	4	9003	WOOMERA	8343	20	FC	9263
	2	24	18	34	16.5461	1	17	27	44.935	-57	32	59.63	4	9003	WOOMERA	8363	11	FC	9177
	2	24	18	34	26.5457	1	17	26	5.357	-54	32	27.02	4	9003	WOOMERA	8363	16	FC	9178
	2	25	1	30	23.8132	1	18	49	1.817	-50	11	29.80	4	9002	OLIFANTS	6202	5	GN	9266
	2	25	1	30	27.8132	1	18	47	26.759	-49	20	5.37	4	9002	OLIFANTS	6202	6	GN	9267
	2	25	1	33	50.9616	1	18	14	45.268	- 5	29	33.44	4	9002	OLIFANTS	6203	6	GN	9890
	2	25	1	33	54.9618	1	18	14	37.911	- 4	45	50.31	4	9002	OLIFANTS	6203	7	GN	9268
	2	25	8	29	39.5764	1	16	0	28.453	20	31	57.44	4	9011	VILLA DOLO	5021	2	GN	404
	2	25	8	30	19.5774	1	16	11	1.074	26	30	59.71	4	9011	VILLA DOLO	5021	7	GN	1482
	2	25	18	48	47.1888	1	14	17	15.674	-53	34	59.44	4	9003	WOOMERA	8388	5	BO	9272
	2	25	18	48	51.1885	1	14	21	34.507	-52	16	25.78	4	9003	WOOMERA	8388	7	BO	9273

CATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME	NO.	MS	OBS.NO.
1962	2	26	1	42	22.3756	1	22	20	35.914	-88	10	1.38	4	9002	OLIFANTS	6227	5	GN	9269
	2	26	1	42	26.3757	1	21	7	33.860	-87	59	59.74	4	9002	OLIFANTS	6227	6	GN	9270
	2	26	1	49	28.0888	1	17	26	17.786	16	18	7.65	4	9002	OLIFANTS	6229	5	BN	9247
	2	26	10	41	22.0563	1	17	7	42.700	- 5	12	1.05	4	9010	JUPITER	5730	3	FC	9236
	2	26	10	41	28.0562	1	17	11	45.394	- 3	25	38.46	4	9010	JUPITER	5730	6	FC	9237
	2	26	17	14	34.3516	1	20	22	36.555	-62	28	29.33	4	9003	WOOMERA	8405	5	BO	9892
	2	26	17	14	42.3512	1	20	14	8.614	-61	35	15.83	4	9003	WOOMERA	8405	7	BO	9274
	2	26	17	16	12.8981	1	19	4	50.722	-48	36	4.84	4	9003	WOOMERA	8406	3	BO	9275
	2	26	17	16	32.8976	1	18	54	48.296	-45	13	5.42	4	9003	WOOMERA	8406	8	BO	9276
	2	26	17	18	41.9431	1	18	16	5.308	-22	29	0.25	4	9003	WOOMERA	8407	3	VD	9277
	2	26	17	18	53.9427	1	18	14	2.333	-20	27	28.21	4	9003	WOOMERA	8407	6	VD	9278
	2	26	19	2	20.0222	1	10	59	51.548	-44	21	41.25	4	9003	WOOMERA	8414	4	GN	9141
	2	26	19	2	32.0220	1	11	13	52.595	-42	8	11.42	4	9003	WOOMERA	8414	10	GN	9142
	2	26	19	3	0.9609	1	11	45	44.920	-35	51	55.84	4	9003	WOOMERA	8414	14	GN	9143
	2	26	19	3	12.9602	1	11	58	24.624	-32	50	7.94	4	9003	WOOMERA	8414	20	GN	9144
	2	26	19	7	35.1565	1	14	48	29.756	31	34	31.59	4	9003	WOOMERA	8414	25	GN	9145
	2	26	19	7	43.1553	1	14	51	34.219	32	38	50.98	4	9003	WOOMERA	8414	29	GN	9882
	2	27	1	57	25.4323	1	10	27	34.068	-72	11	51.81	4	9002	OLIFANTS	6249	4	RO	1578
	2	27	1	57	41.4316	1	11	4	22.082	-71	9	4.70	4	9002	OLIFANTS	6249	6	RO	9880
	2	27	1	59	14.1110	1	13	44	15.324	-53	52	35.60	4	9002	OLIFANTS	6250	6	GN	9271
	2	27	1	59	27.1134	1	13	58	23.950	-49	57	1.81	4	9002	OLIFANTS	6250	8	GN	9891
	2	27	10	54	23.9642	1	14	27	34.699	-15	26	43.54	4	9010	JUPITER	5740	4	RO	2351
	2	27	10	54	27.9642	1	14	28	51.555	-14	32	4.44	4	9010	JUPITER	5740	5	RO	9239
	2	27	19	35	52.1245	3	17	48	58.279	-12	17	20.08	4	9005	TOKYO	5133	5	VD	8942
	2	27	19	36	37.6953	3	18	17	35.318	- 2	57	55.46	4	9005	TOKYO	5133	14	VD	8943
	2	28	2	13	10.5454	1	11	7	23.188	-38	5	56.91	4	9002	OLIFANTS	6268	5	FC	9139
	2	28	2	13	12.5454	1	11	9	16.431	-37	41	44.15	4	9002	OLIFANTS	6268	6	FC	9881
	2	28	11	9	9.0049	3	18	39	49.707	-12	30	15.89	4	9001	ORGAN PASS	5161	5	FC	9135
	2	28	11	9	21.0067	3	18	44	49.573	-10	41	23.75	4	9001	ORGAN PASS	5161	8	FC	9136
	2	28	11	10	53.9968	3	19	25	51.006	3	24	58.81	4	9001	ORGAN PASS	5162	2	GN	9877
	2	28	11	11	1.9975	3	19	29	33.359	4	35	16.44	4	9001	ORGAN PASS	5162	4	GN	9138
	3	1	9	34	53.2634	1	12	44	25.873	0	16	28.48	4	9009	CURACAO	4633	4	KA	5774
	3	1	9	35	1.2630	1	12	46	21.039	2	43	10.39	4	9009	CURACAO	4633	6	KA	3659
	3	2	9	49	49.5289	1	11	34	4.856	16	35	0.34	4	9009	CURACAO	4648	3	SY	1955
	3	2	9	49	57.5289	1	11	34	20.554	18	28	19.79	4	9009	CURACAO	4648	5	SY	1956
	3	2	9	53	25.3692	1	11	14	49.171	63	38	3.89	4	9009	CURACAO	4649	3	HY	1957
	3	2	9	53	33.3693	1	11	12	5.212	64	57	28.85	4	9009	CURACAO	4649	5	HY	1958
	3	2	16	25	15.8509	1	20	18	1.314	-66	30	48.91	4	9003	WOOMERA	8466	7	CB	2752
	3	2	18	31	8.7245	3	17	12	16.339	-27	47	53.69	4	9005	TOKYO	5143	4	CB	1669
	3	2	18	31	18.3387	3	17	16	17.510	-26	32	50.72	4	9005	TOKYO	5143	6	CB	1670
	3	3	15	18	11.3679	1	12	27	25.696	38	6	30.44	4	9012	MAUI	5705	3	HB	1368
	3	3	15	18	19.3681	1	12	27	55.579	40	43	33.65	4	9012	MAUI	5705	7	HB	1369
	3	4	10	19	59.4653	1	17	52	3.865	-14	16	38.33	4	9001	ORGAN PASS	5196	4	SY	1358
	3	4	10	20	3.4645	1	17	53	47.051	-13	39	13.10	4	9001	ORGAN PASS	5196	5	SY	1359
	3	4	10	21	25.0198	1	18	30	44.957	- 0	37	53.81	4	9001	ORGAN PASS	5197	3	SY	1360

DATE Y	M	D	TIME (A-I) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1962	3	4	10	21	33.0190	1	18	34	33.548	0	38	23.06	4	9001	ORGAN PASS	5197	5	SY	1361
	3	4	10	22	48.3960	1	19	11	44.225	11	56	35.35	4	9001	ORGAN PASS	5198	2	CB	1362
	3	4	10	22	56.3410	1	19	15	47.721	13	2	30.62	4	9001	ORGAN PASS	5198	4	CB	1363
	3	4	12	4	3.9688	1	12	41	23.595	-14	32	26.41	4	9001	ORGAN PASS	5205	3	KA	1659
	3	4	12	4	11.9606	1	12	42	10.942	-13	14	36.48	4	9001	ORGAN PASS	5205	5	KA	1660
	3	4	19	0	10.7487	3	14	58	36.429	-18	37	12.87	4	9005	TOKYO	5168	14	HY	1684
	3	4	19	0	20.3582	3	15	3	8.249	-16	49	20.03	4	9005	TOKYO	5168	16	HY	1685
	3	4	19	2	44.3759	3	16	46	11.813	23	8	8.29	4	9005	TOKYO	5169	11	SD	1672
	3	4	19	3	3.7039	3	17	7	23.665	29	20	56.35	4	9005	TOKYO	5169	18	SD	1673
	3	5	10	38	46.9237	1	20	13	23.455	35	19	44.15	4	9001	ORGAN PASS	5218	6	SS	1664
	3	5	12	25	7.6181	1	7	4	26.365	75	39	52.18	4	9001	ORGAN PASS	5231	4	SY	1667
	3	5	12	25	11.6115	1	6	53	10.681	75	45	3.65	4	9001	ORGAN PASS	5231	6	SY	1668
	3	6	0	27	36.4699	1	17	36	33.048	48	53	18.87	4	9008	SHIRAZ	6951	3	SY	1679
	3	6	0	27	40.4699	1	17	42	18.571	49	45	14.46	4	9008	SHIRAZ	6951	5	SY	1680
	3	6	17	46	8.5967	3	18	32	5.656	11	0	0.30	4	9005	TOKYO	5200	13	SD	1674
	3	6	17	46	13.3976	3	18	35	5.863	11	47	9.01	4	9005	TOKYO	5200	14	SD	1675
	3	6	17	47	37.4636	3	19	28	51.270	23	38	8.75	4	9005	TOKYO	5201	5	SY	1671
	3	7	0	41	53.6164	1	14	4	32.872	66	3	54.71	4	9008	SHIRAZ	6961	6	SY	1681
	3	7	0	41	57.6165	1	14	8	51.000	67	17	44.49	4	9008	SHIRAZ	6961	8	SY	1682
	3	7	18	1	2.6909	3	18	40	22.796	30	21	44.18	4	9005	TOKYO	5209	10	SS	1352
	3	7	18	1	52.7589	3	19	28	16.939	37	17	2.43	4	9005	TOKYO	5210	7	SS	1353
	3	7	19	46	1.0595	3	10	43	6.095	40	40	23.66	4	9005	TOKYO	5219	6	SJ	1652
	3	7	19	46	5.8578	3	10	40	52.928	41	48	18.23	4	9005	TOKYO	5219	7	SJ	1653
	3	7	19	48	28.6122	3	8	6	41.561	68	54	48.38	4	9005	TOKYO	5220	3	OD	3102
	3	7	19	48	59.0212	3	7	2	13.158	71	4	27.44	4	9005	TOKYO	5220	9	OD	3103
	3	8	9	36	1.4285	1	9	17	56.649	76	21	32.80	4	9010	JUPITER	5801	4	KA	1366
	3	8	9	36	9.4288	1	8	59	45.605	77	32	6.42	4	9010	JUPITER	5801	6	KA	1367
	3	9	1	11	3.7933	1	9	27	19.152	54	43	55.50	4	9008	SHIRAZ	6992	7	KA	1683
	3	11	18	58	58.7310	3	8	25	42.915	62	19	51.03	4	9005	TOKYO	5272	8	SS	1354
	3	11	18	59	8.3366	3	8	12	23.697	63	44	26.49	4	9005	TOKYO	5272	10	SS	1355
	3	11	19	0	3.2294	3	6	36	37.546	69	7	24.41	4	9005	TOKYO	5273	4	SY	1356
	3	11	19	0	17.6377	3	6	7	56.707	69	41	50.50	4	9005	TOKYO	5273	7	SY	1357
	3	12	19	12	55.7262	3	8	39	8.368	50	16	18.08	4	9005	TOKYO	5294	4	SD	1676
	3	13	3	52	48.4455	3	1	43	44.556	77	11	0.34	4	9004	SAN FERNAN	5130	4	SS	1654
	3	13	3	52	56.4456	3	1	33	13.893	76	1	22.28	4	9004	SAN FERNAN	5130	6	SS	1655
	3	25	11	16	58.8480	10	17	24	14.473	-69	17	10.38	4	9003	WOOMERA	8782	4	CB	1881
	3	25	11	17	14.8399	10	16	59	15.399	-68	21	8.70	4	9003	WOOMERA	8782	8	CB	1882
	3	28	10	16	18.8091	1	14	19	21.623	-44	34	40.41	4	9003	WOOMERA	8805	2	SS	2753
	3	29	0	6	2.2530	3	15	23	20.004	-67	51	16.77	4	9011	VILLA DOLO	5361	2	SS	1878
	3	29	0	6	14.2537	3	15	6	30.241	-66	18	2.75	4	9011	VILLA DOLO	5361	5	SS	1879
	3	29	0	7	36.0205	3	13	51	36.198	-52	0	45.79	4	9011	VILLA DOLO	5362	3	SY	1872
	3	29	0	7	40.0214	3	13	49	15.972	-51	11	35.76	4	9011	VILLA DOLO	5362	4	SY	1873
	3	29	1	51	31.9485	3	4	0	31.961	-44	9	48.29	4	9011	VILLA DOLO	5366	7	FI	1876
	3	30	0	20	6.5028	3	16	27	54.123	-83	32	21.00	4	9011	VILLA DOLO	5376	6	FI	1877
	3	31	0	36	3.6592	3	8	29	20.381	-67	45	2.35	4	9011	VILLA DOLO	5391	4	SY	3657

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME	NO.	MS	OBS.NO.
1962	3	31	0	36	7.6589	3	8	36	12.393	-66	43	3.24	4	9011	VILLA DOLO	5391	6	SY	1875
	3	31	10	56	53.2698	3	1	13	4.778	-77	36	2.19	4	9003	WOOMERA	8838	7	KA	1884
	3	31	10	57	5.2694	3	1	37	4.024	-78	55	3.31	4	9003	WOOMERA	8838	13	KA	1885
	3	31	10	59	31.7289	3	9	43	23.450	-63	20	55.83	4	9003	WOOMERA	8839	4	KA	1886
	3	31	10	59	53.7276	3	10	0	47.303	-56	11	11.85	4	9003	WOOMERA	8839	15	KA	1887
	4	1	11	11	58.1587	3	3	41	40.215	-60	48	50.04	4	9003	WOOMERA	8851	8	FC	4444
	4	1	11	12	10.1581	3	3	59	3.426	-60	23	33.00	4	9003	WOOMERA	8851	11	FC	6329
	4	1	11	14	36.4382	3	7	24	17.308	-34	39	13.76	4	9003	WOOMERA	8852	3	GL	4756
	4	1	11	14	48.4379	3	7	36	37.830	-30	44	56.87	4	9003	WOOMERA	8852	9	GL	4757
	4	2	9	39	49.2869	3	15	17	53.970	-70	14	4.26	4	9003	WOOMERA	8863	8	VD	4625
	4	2	9	39	53.1926	3	15	11	18.824	-69	52	22.72	4	9003	WOOMERA	8863	9	VD	4626
	4	2	9	41	52.1012	3	13	8	17.678	-51	0	18.59	4	9003	WOOMERA	8864	6	FC	4627
	4	2	9	42	0.1008	3	13	4	0.955	-49	21	44.82	4	9003	WOOMERA	8864	8	FC	4628
	4	2	9	45	22.0831	3	12	16	47.006	- 7	57	45.51	4	9003	WOOMERA	8865	5	FC	4629
	4	2	9	45	38.0828	3	12	15	40.910	- 5	15	11.12	4	9003	WOOMERA	8865	9	FC	5709
	4	2	11	26	12.4462	3	3	42	49.735	-42	20	47.62	4	9003	WOOMERA	8871	7	FC	4630
	4	2	11	26	20.4462	3	3	49	18.979	-41	40	52.41	4	9003	WOOMERA	8871	11	FC	4631
	4	2	11	29	42.7740	3	6	31	2.690	- 4	45	53.88	4	9003	WOOMERA	8872	4	FC	4632
	4	2	11	29	52.7738	3	6	37	53.626	- 2	15	1.26	4	9003	WOOMERA	8872	9	FC	4633
	4	3	16	51	50.0146	1	13	15	10.061	-57	25	2.86	4	9002	OLIFANTS	6709	7	VD	5706
	4	3	18	38	44.4800	1	5	10	16.559	-23	32	13.62	4	9002	OLIFANTS	6717	4	VD	4614
	4	3	18	38	56.4793	1	5	18	20.231	-21	7	40.40	4	9002	OLIFANTS	6717	7	VD	4615
	4	4	17	4	38.9351	1	14	53	50.994	-85	2	10.67	4	9002	OLIFANTS	6724	7	VD	4612
	4	4	17	4	46.9349	1	14	7	30.985	-84	17	10.06	4	9002	OLIFANTS	6724	8	VD	4613
	4	4	17	6	52.4922	1	11	29	46.039	-58	24	57.50	4	9002	OLIFANTS	6725	5	VD	4610
	4	4	17	7	0.4921	1	11	28	16.524	-56	12	37.15	4	9002	OLIFANTS	6725	7	VD	4611
	4	4	17	10	45.6762	1	11	26	30.113	5	47	52.66	4	9002	OLIFANTS	6726	7	HC	4608
	4	4	17	10	49.6761	1	11	26	46.503	6	35	26.31	4	9002	OLIFANTS	6726	8	HC	4609
	4	4	18	53	13.2863	1	4	49	35.321	- 9	29	55.62	4	9002	OLIFANTS	6731	4	HC	4606
	4	4	18	53	25.2860	1	4	54	56.102	- 7	31	24.66	4	9002	OLIFANTS	6731	7	HC	4607
	4	4	18	55	26.7922	1	5	45	47.184	13	57	57.50	4	9002	OLIFANTS	6732	5	BN	4772
	4	4	18	55	42.7923	1	5	52	0.671	16	46	27.36	4	9002	OLIFANTS	6732	9	BN	4773
	4	6	17	35	46.0466	1	5	36	31.150	-35	50	12.83	4	9002	OLIFANTS	6759	8	BN	4770
	4	6	17	35	50.0467	1	5	40	25.888	-34	49	43.36	4	9002	OLIFANTS	6759	10	BN	4771
	4	7	17	50	9.5074	1	4	39	49.708	-16	36	30.01	4	9002	OLIFANTS	6778	4	HC	4438
	4	7	17	50	21.5073	1	4	47	7.158	-14	6	55.69	4	9002	OLIFANTS	6778	7	HC	4439
	4	8	7	56	33.3199	1	5	18	52.956	18	2	3.51	4	9012	MAUI	6022	3	VD	4799
	4	8	7	56	41.3199	1	5	18	1.305	19	29	13.08	4	9012	MAUI	6022	7	VD	6677
	4	8	11	27	8.2413	3	9	8	4.157	13	57	13.54	4	9005	TOKYO	5572	3	FC	5096
	4	8	11	27	51.4121	3	9	39	15.282	30	50	32.48	4	9005	TOKYO	5572	21	FC	5097
	4	8	23	13	8.9304	3	4	51	19.914	-30	59	14.27	4	9011	VILLA DOLO	5427	6	HC	4792
	4	8	23	13	10.9303	3	4	53	19.319	-30	30	36.00	4	9011	VILLA DOLO	5427	7	HC	4793
	4	9	1	14	2.8876	1	10	5	59.181	-13	10	20.39	4	9010	JUPITER	6031	4	YK	4652
	4	9	1	14	8.8875	1	10	9	46.573	-11	31	56.54	4	9010	JUPITER	6031	7	YK	4653
	4	10	16	47	15.0346	1	5	5	35.203	-25	28	30.21	4	9002	OLIFANTS	6824	5	BN	4768

CATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.	MS	OBS.NO.
1962	4	10	18	47	23.0344	1	5	12	21.472	-23	14	56.06	4	9002	OLIFANTS	6824 7	BN	874
	4	11	6	50	46.0084	1	5	13	35.111	-12	32	9.32	4	9012	MAUI	6076 4	HC	4801
	4	11	6	50	50.0094	1	5	13	45.102	-11	55	57.47	4	9012	MAUI	6076 6	HC	4802
	4	12	1	55	36.1688	1	5	17	26.950	- 2	47	3.05	4	9010	JUPITER	6067 4	VD	5104
	4	12	1	55	44.1690	1	5	17	12.293	- 1	28	57.16	4	9010	JUPITER	6067 6	VD	5105
	4	12	1	57	39.8643	1	5	7	14.764	21	6	2.13	4	9010	JUPITER	6068 3	GL	5111
	4	12	1	57	47.8647	1	5	5	57.451	22	53	47.16	4	9010	JUPITER	6068 5	GL	5112
	4	12	3	40	23.4189	1	5	46	30.221	- 7	48	49.67	4	9001	ORGAN PASS	5727 3	GL	4784
	4	12	3	40	31.4170	1	5	46	26.596	- 6	34	41.01	4	9001	ORGAN PASS	5727 5	GL	4785
	4	13	3	56	14.2162	1	5	1	58.794	12	42	11.01	4	9001	ORGAN PASS	5755 3	GL	4783
	4	13	3	57	47.6620	1	4	41	51.537	30	14	59.59	4	9001	ORGAN PASS	5756 2	BN	4418
	4	13	3	57	51.6610	1	4	40	37.408	31	3	5.19	4	9001	ORGAN PASS	5756 3	BN	4419
	4	13	11	23	24.9582	1	22	32	14.182	6	4	33.28	4	9001	ORGAN PASS	5771 5	PK	4780
	4	13	11	23	28.9584	1	22	31	51.183	5	24	5.51	4	9001	ORGAN PASS	5771 6	PK	4781
	4	14	2	26	58.0737	1	9	53	2.829	50	43	29.38	4	9001	ORGAN PASS	5774 6	PK	4778
	4	14	2	27	2.0794	1	9	59	8.726	52	1	0.67	4	9001	ORGAN PASS	5774 8	PK	4779
	4	14	5	54	18.8242	10	4	37	46.953	83	59	52.85	4	9012	MAUI	6127 4	RO	4807
	4	14	5	54	20.8242	10	4	32	59.744	84	18	25.06	4	9012	MAUI	6127 5	RO	4808
	4	14	11	31	40.2314	1	5	37	36.138	78	44	0.92	4	9001	ORGAN PASS	5793 3	BN	4416
	4	14	11	31	48.2334	1	5	15	2.101	79	28	55.33	4	9001	ORGAN PASS	5793 5	BN	4417
	4	14	11	33	38.3798	1	22	58	48.125	69	29	44.99	4	9001	ORGAN PASS	5794 3	PK	4776
	4	14	11	33	42.3810	1	22	53	52.293	68	30	30.02	4	9001	ORGAN PASS	5794 5	PK	4777
	4	14	11	38	0.9498	1	21	45	56.188	- 3	11	31.38	4	9001	ORGAN PASS	5795 3	RO	4430
	4	14	11	38	8.9540	1	21	45	58.369	- 4	41	2.45	4	9001	ORGAN PASS	5795 5	RO	4431
	4	15	10	4	14.8892	1	14	2	37.513	87	40	6.74	4	9010	JUPITER	6119 4	GL	5113
	4	15	10	4	22.8896	1	16	23	47.384	87	27	31.95	4	9010	JUPITER	6119 5	GL	6679
	4	16	2	51	29.0095	1	5	1	43.480	- 6	8	38.85	4	9001	ORGAN PASS	5817 4	PK	9381
	4	16	2	51	37.0106	1	5	1	32.020	- 4	55	21.34	4	9001	ORGAN PASS	5817 6	PK	4433
	4	16	2	53	48.6995	1	4	50	6.825	21	11	44.02	4	9001	ORGAN PASS	5818 4	BN	4420
	4	16	2	53	52.6986	1	4	49	24.867	22	10	14.25	4	9001	ORGAN PASS	5818 6	BN	4421
	4	16	10	18	17.7716	1	22	39	19.337	28	52	38.80	4	9001	ORGAN PASS	5836 2	PK	4434
	4	16	10	18	23.7717	1	22	37	43.809	29	50	44.49	4	9001	ORGAN PASS	5836 5	PK	4435
	4	19	9	39	42.7668	3	0	54	2.925	-36	51	34.20	4	9011	VILLA DOLO	5452 5	VD	4794
	4	19	9	39	46.7670	3	0	56	46.137	-37	10	46.35	4	9011	VILLA DOLO	5452 6	VD	4795
	4	20	11	14	2.4477	1	14	53	58.240	38	16	51.33	4	9001	ORGAN PASS	5911 5	PK	6330
	4	20	11	14	4.4476	1	14	56	29.453	37	47	24.98	4	9001	ORGAN PASS	5911 6	PK	4775
	4	21	3	3	23.7596	1	19	32	42.633	38	46	32.69	4	9002	OLIFANTS	7017 3	BN	4766
	4	21	3	3	27.7592	1	19	34	27.788	38	12	44.11	4	9002	OLIFANTS	7017 4	BN	4767
	4	21	11	27	49.5325	1	13	40	39.908	24	51	1.64	4	9001	ORGAN PASS	5927 4	HC	4436
	4	21	11	27	51.5337	1	13	42	14.043	24	30	22.70	4	9001	ORGAN PASS	5927 5	HC	4437
	4	22	3	24	24.7467	1	23	51	4.152	-67	26	3.31	4	9002	OLIFANTS	7045 7	PK	4762
	4	22	3	24	28.7471	1	23	58	2.320	-67	33	46.86	4	9002	OLIFANTS	7045 8	PK	4763
	4	22	9	56	12.8316	1	20	16	58.789	66	15	0.15	4	9001	ORGAN PASS	5943 4	RO	4424
	4	22	9	56	18.8306	1	20	15	3.314	64	20	3.01	4	9001	ORGAN PASS	5943 7	RO	4425
	4	23	10	11	5.1822	1	16	37	40.807	51	34	52.07	4	9001	ORGAN PASS	5963 4	VD	4620

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1962	4	23	10	11	9.1828	1	16	43	3.540	50	8	40.77	4	9001	ORGAN PASS	5963	6	VD	4621
	4	23	19	8	31.8514	1	20	50	0.991	14	53	26.22	4	9003	WOOMERA	9208	3	HC	8162
	4	23	19	8	37.8518	1	20	53	16.514	13	39	44.18	4	9003	WOOMERA	9208	6	HC	4637
	4	24	8	55	30.4040	3	19	10	53.960	18	12	11.52	4	9007	AREQUIPA	5648	4	YK	6335
	4	24	8	55	36.4043	3	19	14	18.251	16	22	36.30	4	9007	AREQUIPA	5648	7	YK	4640
	4	24	17	16	50.8106	3	10	28	10.330	70	55	3.02	4	9005	TOKYO	5738	11	VD	8163
	4	24	17	17	0.4188	3	10	49	55.241	71	35	27.92	4	9005	TOKYO	5738	13	VD	5710
	4	25	7	9	7.3086	1	22	44	7.457	65	25	44.21	4	9010	JUPITER	6248	3	GL	5115
	4	25	7	9	11.3086	1	22	39	27.922	64	50	49.63	4	9010	JUPITER	6248	4	GL	5116
	4	25	8	50	12.4690	1	2	49	27.401	74	44	30.54	4	9001	ORGAN PASS	6001	2	FC	4422
	4	25	8	50	16.4711	1	2	40	34.952	74	56	17.18	4	9001	ORGAN PASS	6001	4	FC	4423
	4	25	8	51	49.5940	1	22	45	44.779	70	22	31.27	4	9001	ORGAN PASS	6002	3	VD	4414
	4	25	8	51	53.5947	1	22	38	23.164	69	45	5.16	4	9001	ORGAN PASS	6002	5	VD	4415
	4	25	10	36	54.5525	1	11	37	4.067	36	9	53.82	4	9001	ORGAN PASS	6008	3	RO	4428
	4	25	10	36	58.5523	1	11	39	47.867	35	51	42.50	4	9001	ORGAN PASS	6008	4	RO	4429
	4	26	9	26	55.0860	3	15	17	15.996	-50	56	38.98	4	9007	AREQUIPA	5683	3	FC	9382
	4	26	9	27	3.0861	3	15	17	0.614	-52	57	27.80	4	9007	AREQUIPA	5683	5	FC	5095
	4	26	9	29	9.3932	3	14	44	29.887	-77	59	38.47	4	9007	AREQUIPA	5684	4	YK	4641
	4	26	9	29	25.3915	3	14	29	37.691	-80	17	4.93	4	9007	AREQUIPA	5684	8	YK	4642
	4	26	18	7	17.1908	1	21	52	33.061	- 3	48	58.69	4	9003	WOOMERA	9260	2	VD	6338
	4	26	18	7	19.1908	1	21	53	32.692	- 4	9	32.37	4	9003	WOOMERA	9260	3	VD	5103
	4	27	9	42	16.1999	3	13	49	57.677	-54	31	11.01	4	9007	AREQUIPA	5702	9	YK	4643
	4	27	9	42	20.1998	3	13	48	32.877	-55	11	20.98	4	9007	AREQUIPA	5702	10	YK	4644
	4	27	9	43	44.9508	3	13	2	45.200	-67	26	13.07	4	9007	AREQUIPA	5703	4	FC	5092
	4	27	9	43	55.4276	3	14	50	8.042	-24	56	59.97	4	9011	VILLA DOLO	5488	4	VD	4797
	4	27	9	44	8.9522	3	12	42	3.261	-70	8	27.50	4	9007	AREQUIPA	5703	10	FC	5093
	4	27	9	44	15.4271	3	14	46	3.463	-29	18	7.50	4	9011	VILLA DOLO	5488	9	VD	4798
	4	28	3	3	55.0286	1	13	0	30.968	-68	30	15.30	4	9002	OLIFANTS	7110	5	PK	4442
	4	28	3	3	59.0287	1	12	55	42.238	-69	4	38.73	4	9002	OLIFANTS	7110	6	PK	7242
	4	28	7	47	25.5054	1	23	52	58.229	67	13	44.98	4	9001	ORGAN PASS	6029	4	VD	4412
	4	28	7	47	33.5039	1	23	40	12.121	66	43	22.00	4	9001	ORGAN PASS	6029	6	VD	4413
	4	28	18	38	22.5990	1	23	10	44.282	-57	28	48.60	4	9003	WOOMERA	9286	3	FC	5100
	4	28	18	38	30.5986	1	23	21	20.050	-57	51	20.53	4	9003	WOOMERA	9286	7	FC	5101
	4	28	20	22	45.0385	1	13	41	14.024	-42	21	19.55	4	9003	WOOMERA	9294	4	FC	4446
	4	28	20	22	53.0385	1	13	37	45.225	-43	40	30.73	4	9003	WOOMERA	9294	6	FC	4447
	4	28	20	24	25.0328	1	12	40	19.187	-57	18	1.70	4	9003	WOOMERA	9295	3	RO	5098
	4	28	20	24	45.0328	1	12	22	32.438	-59	40	40.39	4	9003	WOOMERA	9295	8	RO	5099
	5	2	0	3	27.0861	3	21	12	40.897	55	37	1.09	4	9004	SAN FERNAN	5366	5	SY	6425
	5	2	0	3	31.0863	3	21	8	45.903	54	56	42.68	4	9004	SAN FERNAN	5366	7	SY	6426
	5	6	6	9	19.7224	1	23	22	47.303	71	15	16.31	4	9001	ORGAN PASS	6181	3	HB	6229
	5	6	6	9	23.7252	1	23	14	43.700	71	9	12.86	4	9001	ORGAN PASS	6181	5	HB	6230
	5	8	23	56	36.7975	3	9	15	40.180	61	27	31.31	4	9004	SAN FERNAN	5414	6	OD	6422
	5	8	23	56	40.7978	3	9	30	18.701	61	20	22.02	4	9004	SAN FERNAN	5414	10	OD	6423
	5	10	5	20	17.3517	1	23	14	10.357	73	4	2.50	4	9001	ORGAN PASS	6238	3	HB	6231
	5	10	5	20	29.3472	1	22	47	15.832	72	57	46.44	4	9001	ORGAN PASS	6238	6	HB	6232

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1962	5	10	5	21	54.6953	1	20	2	59.470	64	39	12.28	4	9001	ORGAN PASS	6239	3	KA	6233
	5	10	22	40	53.4954	3	17	49	59.754	54	42	13.71	4	9004	SAN FERNAN	5434	4	OD	6424
	5	11	22	54	52.6759	3	14	24	37.512	65	52	10.49	4	9004	SAN FERNAN	5448	9	SY	6427
	5	11	22	55	0.6757	3	14	35	38.506	63	3	53.31	4	9004	SAN FERNAN	5448	13	SY	6428
	5	12	5	50	6.3603	1	9	12	48.289	73	21	57.96	4	9001	ORGAN PASS	6267	5	OD	6235
	5	12	5	50	10.3606	1	9	24	46.361	73	22	43.62	4	9001	ORGAN PASS	6267	7	OD	6236
	5	13	6	3	53.1442	1	8	33	24.643	52	8	52.52	4	9001	ORGAN PASS	6279	6	OD	7103
	5	13	12	59	14.1943	3	12	11	1.241	68	56	56.42	4	9005	TOKYO	5914	4	SS	6375
	5	13	12	59	18.9834	3	12	23	41.498	67	50	40.15	4	9005	TOKYO	5914	6	SS	6376
	5	14	4	31	5.0301	10	23	34	18.849	74	17	26.54	4	9001	ORGAN PASS	6286	2	OD	6407
	5	14	4	31	17.0297	10	23	7	7.153	74	42	29.82	4	9001	ORGAN PASS	6286	5	OD	6408
	5	14	4	33	55.8329	1	18	17	36.572	54	45	32.90	4	9001	ORGAN PASS	6287	4	OD	6237
	5	14	4	34	1.8351	1	18	13	26.352	53	18	48.31	4	9001	ORGAN PASS	6287	7	OD	6238
	5	15	4	45	54.9004	1	3	20	4.229	81	0	46.97	4	9001	ORGAN PASS	6306	4	SY	6239
	5	15	4	46	2.9015	1	3	15	19.738	82	20	17.49	4	9001	ORGAN PASS	6306	6	SY	6240
	5	15	4	47	55.7655	1	16	13	22.983	71	24	53.95	4	9001	ORGAN PASS	6307	4	SY	6241
	5	15	4	47	59.7660	1	16	12	45.710	70	11	48.63	4	9001	ORGAN PASS	6307	6	SY	6242
	5	16	5	0	34.7159	1	7	24	30.424	68	19	25.97	4	9001	ORGAN PASS	6325	2	OD	6401
	5	16	5	0	40.7164	1	7	35	36.571	68	33	36.60	4	9001	ORGAN PASS	6325	5	OD	6402
	5	16	5	2	16.1898	1	11	18	16.951	62	18	39.17	4	9001	ORGAN PASS	6326	2	SY	6399
	5	16	5	2	24.1902	1	11	34	47.781	60	34	8.62	4	9001	ORGAN PASS	6326	6	SY	6400
	5	17	3	28	46.4807	1	20	3	36.940	64	25	42.28	4	9001	ORGAN PASS	6334	3	VE	6397
	5	17	3	28	54.4796	1	19	52	45.075	63	37	44.07	4	9001	ORGAN PASS	6334	5	VE	6398
	5	17	3	30	18.6853	1	18	27	47.477	51	24	8.06	4	9001	ORGAN PASS	6335	3	SS	6429
	5	17	3	30	24.6849	1	18	23	35.076	50	19	36.61	4	9001	ORGAN PASS	6335	6	SS	6430
	5	17	5	14	44.3485	1	7	49	54.302	49	17	55.37	4	9001	ORGAN PASS	6342	6	SS	6431
	5	17	5	14	46.3494	1	7	51	51.480	49	12	50.85	4	9001	ORGAN PASS	6342	7	SS	6432
	5	17	5	16	48.5506	1	10	4	57.194	35	1	0.31	4	9001	ORGAN PASS	6343	4	SS	7106
	5	17	5	16	52.5544	1	10	9	20.552	34	10	34.68	4	9001	ORGAN PASS	6343	6	SS	6434
	5	18	2	3	37.9340	1	17	21	47.589	35	8	37.79	4	9010	JUPITER	6470	5	SY	6389
	5	18	2	3	45.9337	1	17	19	43.931	33	15	14.02	4	9010	JUPITER	6470	7	SY	6390
	5	18	3	43	27.1422	1	19	42	15.822	74	29	20.87	4	9001	ORGAN PASS	6357	2	SY	6403
	5	18	3	43	33.1414	1	19	27	19.081	73	46	5.79	4	9001	ORGAN PASS	6357	5	SY	6404
	5	18	3	46	33.4001	1	16	47	35.298	30	46	20.88	4	9001	ORGAN PASS	6358	2	SY	8201
	5	18	3	46	37.3993	1	16	46	42.655	29	41	16.97	4	9001	ORGAN PASS	6358	4	SY	6412
	5	18	5	29	9.6063	1	8	12	19.944	33	27	20.57	4	9001	ORGAN PASS	6364	3	SY	6405
	5	18	5	29	13.6059	1	8	15	1.530	33	5	42.64	4	9001	ORGAN PASS	6364	5	SY	6406
	5	18	5	31	13.3176	1	9	37	42.837	16	51	49.21	4	9001	ORGAN PASS	6365	2	OD	6409
	5	18	5	31	17.3195	1	9	40	26.566	16	8	30.84	4	9001	ORGAN PASS	6365	4	OD	6410
	5	20	2	31	58.9598	1	13	8	25.106	42	12	57.57	4	9010	JUPITER	6490	4	OD	6392
	5	20	2	32	2.9598	1	13	11	57.250	40	39	22.82	4	9010	JUPITER	6490	6	OD	6393
	5	20	21	34	56.5325	1	12	47	20.610	-19	56	3.32	4	9004	SAN FERNAN	5499	7	SY	6418
	5	20	21	35	0.5323	1	12	49	16.960	-20	37	26.07	4	9004	SAN FERNAN	5499	9	SY	6419
	5	21	7	58	4.6657	1	9	30	43.764	43	7	21.44	4	9012	MAUI	6387	4	SY	9538
	5	21	7	58	29.2992	1	9	52	57.801	38	33	5.65	4	9012	MAUI	6387	11	SY	6503

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1962	5	21	11	21	9.0055	10	9	31	8.702	62	5	26.84	4	9005	TOKYO	5930	6	SS	6373
	5	21	11	21	28.4368	10	10	13	43.417	58	31	54.87	4	9005	TOKYO	5930	13	SS	6374
	5	21	21	48	42.7922	1	11	11	0.915	-18	29	39.41	4	9004	SAN FERNAN	5513	6	VE	6370
	5	21	21	48	46.7913	1	11	13	12.175	-19	10	45.03	4	9004	SAN FERNAN	5513	7	VE	6371
	5	22	6	24	38.5117	1	18	38	57.022	72	36	36.82	4	9012	MAUI	6398	5	HB	6508
	5	22	6	24	42.5119	1	18	33	19.314	72	8	54.69	4	9012	MAUI	6398	6	HB	6509
	5	22	6	26	13.6157	1	17	14	9.844	57	34	37.39	4	9012	MAUI	6399	2	FI	6518
	5	22	6	26	17.6158	1	17	12	10.649	56	47	6.53	4	9012	MAUI	6399	4	FI	8208
	5	22	6	28	43.9625	1	16	36	16.247	23	19	7.43	4	9012	MAUI	6400	3	HB	6506
	5	22	6	28	47.9625	1	16	35	53.829	22	22	40.24	4	9012	MAUI	6400	5	HB	6507
	5	22	8	11	4.4088	1	8	13	17.527	34	44	7.81	4	9012	MAUI	6406	4	HB	6510
	5	22	8	11	12.4087	1	8	17	39.385	33	51	23.97	4	9012	MAUI	6406	6	HB	6511
	5	23	6	43	3.5287	10	15	19	50.756	21	48	28.83	4	9012	MAUI	6422	2	SS	6495
	5	23	6	43	5.5318	10	15	20	4.542	21	8	14.13	4	9012	MAUI	6422	3	SS	6496
	5	24	1	41	41.1918	1	10	5	14.452	62	14	50.47	4	9010	JUPITER	6541	5	VE	8205
	5	25	1	56	1.9258	10	8	39	15.092	37	30	59.41	4	9010	JUPITER	6549	3	VE	6382
	5	25	1	56	5.9258	10	8	43	3.898	36	47	19.10	4	9010	JUPITER	6549	5	VE	6383
	5	25	3	38	16.3095	1	8	3	17.822	34	7	35.59	4	9001	ORGAN PASS	6437	2	SS	6417
	5	25	7	9	12.2253	1	8	49	15.643	38	5	47.46	4	9012	MAUI	6460	4	PB	6497
	5	25	7	9	16.2252	1	8	52	30.346	37	22	56.04	4	9012	MAUI	6460	6	PB	6498
	5	26	3	51	6.8621	1	6	59	20.921	29	35	34.29	4	9001	ORGAN PASS	6450	5	PB	6435
	5	26	3	53	16.2895	1	8	17	25.482	12	59	16.95	4	9001	ORGAN PASS	6451	3	PB	6436
	5	26	3	53	20.2893	1	8	19	48.052	12	19	31.75	4	9001	ORGAN PASS	6451	5	PB	8203
	5	26	3	57	2.9728	1	10	15	32.208	-26	29	58.26	4	9001	ORGAN PASS	6452	5	VE	6396
	5	26	3	57	6.9739	1	10	17	16.536	-27	4	59.29	4	9001	ORGAN PASS	6452	7	VE	7104
	5	28	20	42	8.0783	1	7	11	16.616	-69	53	1.60	4	9003	WOOMERA	9613	5	SS	6437
	5	28	20	42	16.0780	1	6	57	51.646	-69	29	37.82	4	9003	WOOMERA	9613	7	SS	6438
	5	28	20	43	53.9080	1	4	51	15.545	-58	38	47.75	4	9003	WOOMERA	9614	6	SS	3245
	5	28	20	44	1.9079	1	4	44	23.917	-57	20	57.58	4	9003	WOOMERA	9614	8	SS	6440
	5	29	1	7	39.5790	1	8	25	52.419	26	36	36.48	4	9010	JUPITER	6583	3	SS	6385
	5	29	1	8	10.7674	1	8	51	18.262	19	9	1.65	4	9010	JUPITER	6583	10	SS	6386
	5	29	23	43	34.5058	1	14	26	43.650	- 5	46	26.72	4	9009	CURACAO	5207	7	VE	6379
	5	30	3	4	54.5063	1	7	58	10.529	5	17	55.18	4	9001	ORGAN PASS	6485	3	SS	6414
	5	30	3	5	0.5054	1	8	1	24.512	4	16	32.93	4	9001	ORGAN PASS	6485	6	SS	6415
	5	30	3	7	47.3797	1	9	22	16.688	-23	50	42.25	4	9001	ORGAN PASS	6486	3	OD	6413
	5	30	3	7	51.3783	1	9	23	59.214	-24	26	15.88	4	9001	ORGAN PASS	6486	5	OD	8202
	5	31	0	0	51.2830	3	14	11	46.620	46	43	6.22	4	9007	AREQUIPA	6021	4	SS	8204
	5	31	0	0	59.2825	3	14	14	36.399	45	32	26.26	4	9007	AREQUIPA	6021	6	SS	6378
	5	31	0	2	20.9806	3	14	44	1.842	31	29	34.31	4	9007	AREQUIPA	6022	2	SS	8735
	5	31	0	2	36.9799	3	14	49	57.765	28	17	59.64	4	9007	AREQUIPA	6022	6	SS	8736
	6	1	19	52	54.0765	1	7	18	45.687	-71	57	3.74	4	9003	WOOMERA	9633	3	PL	2588
	6	1	19	53	6.0762	1	6	56	12.778	-71	43	16.85	4	9003	WOOMERA	9633	6	PL	2589
	6	2	0	29	51.3699	3	10	23	38.547	33	56	26.32	4	9007	AREQUIPA	6063	6	LT	9502
	6	2	20	9	47.2373	10	2	34	20.228	-66	18	18.68	4	9003	WOOMERA	9651	3	PK	9670
	6	2	20	10	1.2369	10	2	24	40.396	-62	41	45.50	4	9003	WOOMERA	9651	10	PK	852

CATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1962	6	2	23	3	10.1688	3	14	25	21.746	28	13	14.08	4	9011	VILLA DOLO	5751	5	PK	1388
	6	2	23	3	14.1689	3	14	26	52.873	27	40	32.46	4	9011	VILLA DOLO	5751	6	PK	1389
	6	3	0	44	25.3071	3	9	3	56.319	17	33	10.07	4	9007	AREQUIPA	6086	5	PL	9500
	6	3	0	44	29.3069	3	9	4	32.040	16	50	0.07	4	9007	AREQUIPA	6086	6	PL	9501
	6	3	3	6	11.3632	1	3	24	7.238	-52	21	24.89	4	9002	OLIFANTS	7724	6	PL	368
	6	3	3	6	15.3630	1	3	22	3.995	-51	34	44.07	4	9002	OLIFANTS	7724	7	PL	9530
	6	3	9	26	0.0365	1	14	27	29.878	27	38	6.82	4	9003	WOOMERA	9656	4	HC	9672
	6	3	9	26	16.0366	1	14	33	28.731	25	23	38.15	4	9003	WOOMERA	9656	8	HC	853
	6	3	9	27	49.7845	1	15	11	15.672	10	51	9.69	4	9003	WOOMERA	9657	3	PG	9983
	6	3	10	1	18.5084	10	21	53	24.085	-63	55	46.98	4	9011	VILLA DOLO	5765	3	PK	1386
	6	3	10	1	22.5082	10	22	0	10.102	-62	48	32.17	4	9011	VILLA DOLO	5765	5	PK	1387
	6	3	20	24	40.4772	1	22	58	29.962	-61	34	39.32	4	9003	WOOMERA	9670	3	BN	9674
	6	3	20	24	46.4770	1	23	4	54.595	-59	35	58.49	4	9003	WOOMERA	9670	6	BN	9675
	6	4	0	59	28.5716	3	8	20	42.229	0	4	46.75	4	9007	AREQUIPA	6107	4	GL	9496
	6	4	1	1	0.3532	3	8	21	28.940	-17	33	57.23	4	9007	AREQUIPA	6108	9	PL	9499
	6	4	9	42	6.5469	1	14	24	37.425	6	39	39.83	4	9003	WOOMERA	9674	7	PK	9676
	6	4	9	42	8.5471	1	14	25	46.931	6	13	23.58	4	9003	WOOMERA	9674	8	PK	9677
	6	4	11	26	31.4634	1	8	59	14.747	- 0	46	46.27	4	9003	WOOMERA	9682	7	VD	9678
	6	4	11	26	33.4635	1	8	59	10.966	- 1	6	41.12	4	9003	WOOMERA	9682	8	VD	9679
	6	4	18	51	11.3252	1	4	9	5.394	-56	58	3.17	4	9003	WOOMERA	9686	4	GL	9680
	6	4	18	51	27.3250	1	3	56	14.093	-54	52	56.22	4	9003	WOOMERA	9686	8	GL	9681
	6	4	18	54	4.1868	1	2	42	34.013	-29	33	7.09	4	9003	WOOMERA	9687	4	GL	9682
	6	4	18	54	12.1867	1	2	40	32.313	-28	11	35.66	4	9003	WOOMERA	9687	6	GL	9683
	6	5	3	35	23.6049	1	22	43	32.640	-56	40	1.70	4	9002	OLIFANTS	7768	9	BO	9618
	6	5	3	37	53.9399	1	0	7	17.438	- 0	11	23.36	4	9002	OLIFANTS	7768	28	BO	9619
	6	5	3	38	50.4639	1	0	24	2.545	15	7	16.20	4	9002	OLIFANTS	7768	38	BO	362
	6	5	8	41	55.3064	3	5	3	1.048	-72	54	32.04	4	9011	VILLA DOLO	5798	2	PK	1384
	6	5	9	53	58.9372	1	11	44	6.708	29	44	57.22	4	9003	WOOMERA	9697	4	MW	9684
	6	5	9	54	14.9373	1	11	50	37.470	27	18	54.40	4	9003	WOOMERA	9697	8	MW	9685
	6	5	9	57	25.8244	1	13	47	13.168	-20	57	2.45	4	9003	WOOMERA	9698	3	PG	9977
	6	5	9	57	35.8241	1	13	56	16.040	-24	1	28.63	4	9003	WOOMERA	9698	8	PG	9978
	6	5	19	5	8.8729	1	4	37	20.329	-69	40	15.99	4	9003	WOOMERA	9707	7	PG	9979
	6	5	19	5	12.8729	1	4	30	43.199	-69	13	17.88	4	9003	WOOMERA	9707	8	PG	9980
	6	5	19	7	0.2487	1	2	41	56.317	-50	32	21.64	4	9003	WOOMERA	9708	3	PG	9981
	6	5	19	7	2.2486	1	2	40	49.769	-50	6	17.84	4	9003	WOOMERA	9708	4	PG	9982
	6	5	23	42	44.0374	3	10	3	2.927	5	44	25.63	4	9007	AREQUIPA	6120	4	DM	4996
	6	5	23	42	52.0373	3	10	5	51.883	3	12	50.13	4	9007	AREQUIPA	6120	8	DM	4997
	6	6	3	49	36.5754	1	19	46	2.464	-38	28	42.82	4	9002	OLIFANTS	7792	5	BO	9622
	6	6	3	49	46.5754	1	19	56	35.148	-35	53	41.60	4	9002	OLIFANTS	7792	10	BO	9623
	6	6	10	9	0.1214	1	10	21	42.918	13	59	20.72	4	9003	WOOMERA	9721	7	PG	9984
	6	6	10	12	37.2497	1	12	9	19.804	-55	1	17.06	4	9003	WOOMERA	9722	4	BO	9985
	6	6	10	12	45.2494	1	12	18	35.273	-57	31	56.95	4	9003	WOOMERA	9722	8	BO	9986
	6	6	19	20	7.4946	1	2	19	4.493	-78	33	20.35	4	9003	WOOMERA	9730	4	BO	9987
	6	6	19	20	17.4945	1	2	1	50.470	-76	25	41.83	4	9003	WOOMERA	9730	9	BO	9988
	6	6	19	22	5.6749	1	1	5	24.927	-45	45	14.50	4	9003	WOOMERA	9731	4	BO	9989

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1962	6	6	19	22	17.6744	1	1	3	52.815	-41	50	1.50	4	9003	WOOMERA	9731	10	BO	1676
	6	6	23	57	41.4833	3	8	30	43.004	-14	43	38.92	4	9007	AREQUIPA	6136	5	GL	9497
	6	6	23	57	43.4831	3	8	30	52.207	-15	16	11.58	4	9007	AREQUIPA	6136	6	GL	9498
	6	7	2	16	50.0150	1	2	54	6.342	-58	43	41.43	4	9002	OLIFANTS	7810	5	LT	9519
	6	7	2	17	2.0150	1	2	46	21.620	-56	25	32.65	4	9002	OLIFANTS	7810	8	LT	9520
	6	7	2	20	26.6638	1	1	53	14.006	-11	18	18.69	4	9002	OLIFANTS	7811	8	BN	9535
	6	7	2	20	34.6635	1	1	52	41.271	- 9	42	13.34	4	9002	OLIFANTS	7811	10	BN	9536
	6	7	10	23	12.7278	1	9	3	37.335	5	32	16.59	4	9003	WOOMERA	9743	4	BO	9991
	6	7	10	23	22.7277	1	9	4	9.483	3	39	35.80	4	9003	WOOMERA	9743	9	BO	9992
	6	7	10	27	35.4044	1	8	48	30.064	-65	59	35.82	4	9003	WOOMERA	9744	5	BO	9993
	6	7	10	27	47.4040	1	8	42	47.052	-69	7	55.10	4	9003	WOOMERA	9744	11	BO	1677
	6	7	17	23	3.7623	1	7	41	31.921	-87	25	15.48	4	9002	OLIFANTS	7824	4	LT	9517
	6	7	17	23	15.7622	1	4	35	23.589	-88	45	18.95	4	9002	OLIFANTS	7824	7	LT	9518
	6	8	2	30	57.6028	1	1	14	7.106	-73	54	16.59	4	9002	OLIFANTS	7835	8	PL	847
	6	8	2	33	25.4268	1	0	51	59.534	-30	2	16.63	4	9002	OLIFANTS	7836	12	PK	9649
	6	8	8	51	57.6544	1	12	55	43.417	20	34	20.58	4	9003	WOOMERA	9760	4	LT	2873
	6	8	8	52	3.6545	1	12	58	49.443	19	25	52.64	4	9003	WOOMERA	9760	7	LT	9503
	6	8	8	54	13.5187	1	14	17	41.854	- 9	46	28.56	4	9003	WOOMERA	9761	3	MW	9643
	6	8	8	54	21.5190	1	14	23	18.844	-11	38	42.60	4	9003	WOOMERA	9761	7	MW	2587
	6	8	10	37	27.8031	1	8	15	49.099	- 0	48	24.12	4	9003	WOOMERA	9767	2	BN	9641
	6	8	10	37	39.8029	1	8	15	19.811	- 2	43	7.11	4	9003	WOOMERA	9767	5	BN	9642
	6	8	10	39	32.7023	1	8	4	23.664	-24	6	4.43	4	9003	WOOMERA	9768	4	PK	9653
	6	8	10	39	42.7023	1	8	2	39.627	-26	15	26.08	4	9003	WOOMERA	9768	9	PK	9654
	6	8	10	43	10.6096	1	5	58	47.592	-68	12	53.92	4	9003	WOOMERA	9769	3	BN	9640
	6	8	17	36	40.4982	1	6	34	9.650	-66	27	15.23	4	9002	OLIFANTS	7852	10	VD	9647
	6	8	17	36	48.4985	1	6	25	50.457	-67	41	15.61	4	9002	OLIFANTS	7852	12	VD	9648
	6	9	2	45	57.4620	1	20	45	22.592	-62	25	39.69	4	9002	OLIFANTS	7860	7	MW	9995
	6	9	2	46	5.4617	1	20	57	37.610	-60	24	43.71	4	9002	OLIFANTS	7860	9	MW	9996
	6	9	2	47	35.8884	1	22	26	42.967	-28	19	43.63	4	9002	OLIFANTS	7861	6	HC	9997
	6	9	2	47	55.8888	1	22	38	51.574	-20	6	56.82	4	9002	OLIFANTS	7861	11	HC	9998
	6	9	9	7	15.1018	1	11	53	51.261	- 0	19	53.97	4	9003	WOOMERA	9785	3	BN	9655
	6	9	9	7	27.1016	1	12	1	36.666	- 3	58	24.45	4	9003	WOOMERA	9785	9	BN	9656
	6	9	10	57	46.9945	1	5	37	43.215	-60	4	29.78	4	9003	WOOMERA	9793	8	LT	9491
	6	9	20	6	39.3354	1	19	42	49.973	11	37	5.53	4	9003	WOOMERA	9803	6	BN	9657
	6	9	20	6	45.3352	1	19	46	18.223	12	54	59.06	4	9003	WOOMERA	9803	9	BN	9658
	6	9	22	58	42.5931	3	9	47	43.122	- 9	36	1.15	4	9011	VILLA DOLO	5903	2	PK	1380
	6	9	22	58	48.5930	3	9	49	17.001	-11	27	13.63	4	9011	VILLA DOLO	5903	5	PK	1381
	6	10	3	2	24.0213	1	20	22	59.540	- 2	12	9.99	4	9002	OLIFANTS	7884	4	HC	9999
	6	10	3	2	32.0221	1	20	28	45.830	0	22	51.00	4	9002	OLIFANTS	7884	8	HC	854
	6	10	20	20	37.1308	1	18	45	48.282	11	32	25.55	4	9003	WOOMERA	9820	3	GL	9494
	6	10	20	20	53.1305	1	18	52	47.130	14	13	32.15	4	9003	WOOMERA	9820	7	GL	9495
	6	10	23	10	41.8296	3	7	41	39.633	-45	57	5.66	4	9007	AREQUIPA	6175	3	BN	2591
	6	10	23	10	57.8296	3	7	40	28.913	-49	49	14.47	4	9007	AREQUIPA	6175	7	BN	9921
	6	11	3	16	17.8097	1	18	49	20.575	1	18	55.96	4	9002	OLIFANTS	7908	11	GL	
	6	11	3	16	40.2613	1	19	1	31.822	6	28	0.11	4	9002	OLIFANTS	7908	15	GL	1

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME	NO.	MS	OBS.NO.
1962	6	11	3	18	2.5375	1	19	43	5.100	24	7	24.38	4	9002	OLIFANTS	7909	4	GL	2
	6	11	3	18	37.2553	1	19	59	11.403	30	30	30.63	4	9002	OLIFANTS	7909	12	GL	3
	6	11	8	31	46.3962	3	1	29	13.109	16	14	10.41	4	9007	AREQUIPA	6184	7	MY	4984
	6	11	8	31	50.3964	3	1	29	35.424	16	50	16.50	4	9007	AREQUIPA	6184	8	MY	4985
	6	11	9	35	59.6008	1	8	16	37.848	-19	0	59.82	4	9003	WOOMERA	9825	5	PL	9659
	6	11	9	36	3.6007	1	8	16	28.648	-20	4	43.56	4	9003	WOOMERA	9825	7	PL	9660
	6	11	16	34	25.3560	1	3	37	37.004	-85	59	4.57	4	9002	OLIFANTS	7916	3	PK	8
	6	11	16	34	45.3559	1	0	54	50.213	-85	32	33.85	4	9002	OLIFANTS	7916	8	PK	9
	6	12	1	47	33.1505	1	0	15	22.246	18	38	57.79	4	9002	OLIFANTS	7923	7	BN	10
	6	12	1	47	41.1503	1	0	16	20.013	19	56	21.08	4	9002	OLIFANTS	7923	9	BN	11
	6	12	9	55	36.7840	1	2	59	36.293	-72	29	59.44	4	9003	WOOMERA	9847	5	BN	9636
	6	12	9	55	40.6897	1	2	52	5.853	-72	34	0.05	4	9003	WOOMERA	9847	6	BN	9637
	6	12	16	44	40.4296	1	7	8	24.798	-27	40	27.07	4	9002	OLIFANTS	7929	4	GL	2590
	6	12	16	47	44.0892	1	5	49	43.827	-64	21	0.62	4	9002	OLIFANTS	7930	10	GL	9917
	6	14	14	31	14.3669	1	0	41	2.022	-22	51	44.25	4	9012	MAUI	6617	3	MY	5494
	6	14	14	31	20.3669	1	0	43	47.956	-21	32	29.28	4	9012	MAUI	6617	6	MY	5495
	6	14	14	35	12.6497	1	2	43	52.990	28	15	59.49	4	9012	MAUI	6618	7	PG	365
	6	14	14	35	14.6496	1	2	44	59.783	28	33	38.81	4	9012	MAUI	6618	8	PG	4676
	6	15	14	45	42.0522	1	23	9	59.628	-16	40	59.68	4	9012	MAUI	6635	4	GL	9661
	6	15	14	45	48.0521	1	23	13	48.633	-14	51	34.50	4	9012	MAUI	6635	7	GL	9662
	6	17	13	30	6.6717	1	1	32	4.162	0	18	15.50	4	9012	MAUI	6666	6	DM	4994
	6	17	13	30	10.6718	1	1	33	33.934	1	0	51.50	4	9012	MAUI	6666	8	DM	4995
	6	18	10	16	59.9624	1	0	25	4.499	-22	15	36.82	4	9001	ORGAN PASS	6674	4	LT	9515
	6	18	10	17	3.9624	1	0	26	47.439	-21	38	39.64	4	9001	ORGAN PASS	6674	6	LT	9516
	6	18	13	42	11.2471	1	23	49	1.733	-23	40	30.39	4	9012	MAUI	6685	4	GL	9927
	6	18	13	42	13.2472	1	23	50	0.953	-23	13	6.95	4	9012	MAUI	6685	5	GL	5911
	6	19	10	31	39.1041	1	23	44	22.915	-16	54	7.68	4	9001	ORGAN PASS	6693	12	MW	9514
	6	19	10	32	15.5037	1	0	6	37.434	- 9	5	36.13	4	9001	ORGAN PASS	6693	23	MW	914
	6	19	13	55	19.7689	1	21	21	42.059	-35	43	1.80	4	9012	MAUI	6697	4	PL	5492
	6	19	13	55	27.7689	1	21	25	47.441	-34	11	23.67	4	9012	MAUI	6697	8	PL	5493
	6	19	13	57	36.8028	1	22	45	50.835	3	38	40.02	4	9012	MAUI	6698	9	LT	9506
	6	19	13	57	38.8028	1	22	47	21.338	4	24	6.91	4	9012	MAUI	6698	10	LT	9507
	6	20	10	46	27.4636	1	22	37	9.141	- 2	38	25.15	4	9001	ORGAN PASS	6709	4	MW	9512
	6	20	10	46	31.4636	1	22	40	10.733	- 1	24	39.95	4	9001	ORGAN PASS	6709	6	MW	9513
	6	20	14	11	38.3024	1	19	55	56.875	11	23	23.06	4	9012	MAUI	6715	4	PG	9626
	6	20	14	11	46.3024	1	19	59	6.377	14	38	41.35	4	9012	MAUI	6715	8	PG	9627
	6	21	12	41	57.7822	1	1	11	45.561	10	31	11.57	4	9012	MAUI	6727	3	GL	2756
	6	21	12	42	3.7824	1	1	14	15.692	11	31	46.14	4	9012	MAUI	6727	6	GL	850
	6	21	14	24	31.2658	1	18	2	0.937	- 4	6	47.03	4	9012	MAUI	6734	4	MW	9664
	6	21	14	24	33.2659	1	18	2	7.168	- 3	40	4.94	4	9012	MAUI	6734	5	MW	9665
	6	21	14	26	41.2199	1	18	3	8.410	31	31	21.07	4	9012	MAUI	6735	3	PG	9624
	6	21	14	26	45.2199	1	18	2	54.300	32	45	18.22	4	9012	MAUI	6735	5	PG	9625
	6	21	23	8	53.3749	1	2	2	23.588	26	31	19.13	4	9008	SHIRAZ	8191	3	MW	9645
	6	21	23	9	1.3748	1	2	7	22.282	27	31	29.52	4	9008	SHIRAZ	8191	5	MW	9646
	6	22	12	57	41.1423	1	1	42	10.468	37	58	23.24	4	9012	MAUI	6753	3	LT	9504

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME	NO.	MS	OBS.NO.
1962	6	22	12	57	49.1422	1	1	47	26.258	38	55	31.68	4	9012	MAUI	6753	7	LT	9505
	6	22	14	40	43.4747	1	17	8	5.869	25	41	19.55	4	9012	MAUI	6761	2	LT	9492
	6	22	14	40	51.4743	1	17	6	52.385	27	23	4.00	4	9012	MAUI	6761	6	LT	9493
	6	24	8	13	38.8050	1	21	49	4.203	34	25	29.05	4	9010	JUPITER	6752	8	PK	9666
	6	25	3	17	57.5011	1	22	19	31.075	21	13	54.86	4	9004	SAN FERNAN	5711	2	PK	9918
	6	25	3	18	1.5006	1	22	23	48.558	22	40	22.42	4	9004	SAN FERNAN	5711	4	PK	9919
	6	25	13	39	9.7410	1	16	54	35.191	55	0	45.27	4	9012	MAUI	6826	2	PG	363
	6	25	13	39	17.7425	1	16	51	42.200	56	57	55.00	4	9012	MAUI	6826	6	PG	364
	6	25	22	17	46.8046	3	0	1	16.383	6	27	59.72	4	9008	SHIRAZ	8266	3	PL	5490
	6	25	22	17	50.8048	3	0	3	49.366	7	20	1.67	4	9008	SHIRAZ	8266	5	PL	5491
	6	26	0	3	36.5304	3	17	3	19.049	34	57	45.01	4	9008	SHIRAZ	8276	3	RO	856
	6	26	22	32	0.7057	3	23	0	9.761	19	57	29.81	4	9008	SHIRAZ	8289	3	LD	4988
	6	26	22	32	6.7052	3	23	6	0.360	21	47	43.39	4	9008	SHIRAZ	8289	6	LD	5006
	6	27	7	11	35.1043	1	0	6	52.225	36	21	56.75	4	9010	JUPITER	6772	12	BN	9635
	6	27	22	47	36.1518	3	22	38	13.340	65	7	41.16	4	9008	SHIRAZ	8317	4	GL	9924
	6	28	7	25	37.1602	1	21	52	23.220	57	44	31.32	4	9010	JUPITER	6792	4	HC	9668
	6	28	7	25	39.1603	1	21	55	41.839	58	16	39.99	4	9010	JUPITER	6792	5	HC	851
	6	28	9	9	12.7157	1	21	14	7.763	17	28	32.53	4	9001	ORGAN PASS	6836	3	LT	9521
	6	28	9	9	14.7161	1	21	15	59.401	18	15	8.88	4	9001	ORGAN PASS	6836	4	LT	9522
	6	30	7	53	48.9195	1	0	23	1.461	20	22	16.02	4	9001	ORGAN PASS	6869	2	PK	366
	6	30	7	54	0.9254	1	0	30	47.948	22	7	58.96	4	9001	ORGAN PASS	6869	8	PK	9523
	6	30	9	37	28.5373	1	16	52	22.348	24	49	11.03	4	9001	ORGAN PASS	6875	2	PK	9524
	6	30	9	37	40.5395	1	16	50	20.056	28	18	55.46	4	9001	ORGAN PASS	6875	8	PK	9525
	6	30	9	39	10.6482	1	16	18	28.729	55	26	52.05	4	9001	ORGAN PASS	6876	6	BN	367
	7	1	1	14	31.9562	3	1	14	53.568	30	9	58.70	4	9004	SAN FERNAN	5790	5	PB	3173
	7	2	8	21	53.2937	1	22	23	19.503	55	23	1.24	4	9001	ORGAN PASS	6891	4	FI	2741
	7	2	8	21	57.2925	1	22	30	49.306	56	15	50.26	4	9001	ORGAN PASS	6891	6	FI	2742
	7	2	8	23	6.2432	1	0	51	4.709	64	4	47.00	4	9001	ORGAN PASS	6892	2	SE	2730
	7	2	8	23	10.2432	1	0	58	49.226	64	10	52.78	4	9001	ORGAN PASS	6892	4	SE	2731
	7	3	6	52	13.5818	1	15	13	17.318	79	50	16.83	4	9010	JUPITER	6823	6	SS	2388
	7	3	6	52	21.5819	1	14	52	14.631	81	16	44.01	4	9010	JUPITER	6823	8	SS	2389
	7	5	7	19	45.1999	1	0	11	33.064	45	6	10.75	4	9001	ORGAN PASS	6951	3	PB	2728
	7	5	7	19	51.2032	1	0	18	3.052	45	40	2.50	4	9001	ORGAN PASS	6951	6	PB	2729
	7	7	0	52	17.0146	3	21	1	46.061	59	0	0.76	4	9004	SAN FERNAN	5842	5	CB	3181
	7	7	0	52	19.0146	3	21	6	3.363	59	32	8.06	4	9004	SAN FERNAN	5842	6	CB	3182
	7	9	1	20	59.7833	3	14	22	3.750	57	16	34.56	4	9004	SAN FERNAN	5877	3	LE	2834
	7	14	5	55	4.4162	1	18	56	6.512	69	27	32.65	4	9001	ORGAN PASS	7053	4	SS	2734
	7	14	5	55	8.4159	1	19	5	54.457	70	28	10.36	4	9001	ORGAN PASS	7053	6	SS	2735
	7	14	5	56	7.4605	1	22	45	45.240	77	27	33.88	4	9001	ORGAN PASS	7054	2	SS	2736
	7	14	5	56	15.4613	1	23	17	3.440	77	15	14.97	4	9001	ORGAN PASS	7054	6	SS	2737
	7	15	4	24	28.0948	1	13	15	5.699	61	29	33.93	4	9010	JUPITER	6989	6	NG	3112
	7	16	23	15	21.0491	1	21	10	4.641	-67	23	49.08	4	9011	VILLA DOLO	6159	4	HB	3129
	7	16	23	15	25.0490	1	21	4	22.265	-66	44	43.85	4	9011	VILLA DOLO	6159	5	HB	3130
	7	17	9	36	58.7095	3	23	45	36.371	-72	56	37.95	4	9003	WOOMERA	10163	8	FI	4117
	7	17	18	42	1.0771	3	14	46	2.356	58	23	36.30	4	9008	SHIRAZ	8646	6	NG	3099

CATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.	MS	OBS.NO.
1962	7	17	23	28	4.6776	1	4	45	54.703	-78	55	10.79	4	9011	VILLA DOLO	6171 5	FI	3125
	7	17	23	28	12.6773	1	4	40	23.945	-80	4	21.50	4	9011	VILLA DOLO	6171 7	FI	3126
	7	17	23	31	0.2318	10	18	8	25.207	-60	28	45.06	4	9011	VILLA DOLO	6172 5	SE	3121
	7	17	23	31	6.2316	10	18	7	37.693	-58	29	17.64	4	9011	VILLA DOLO	6172 8	SE	3122
	7	18	22	23	16.9892	1	15	37	35.214	17	51	57.26	4	9004	SAN FERNAN	6056 3	PB	3179
	7	18	22	23	22.9890	1	15	39	19.944	20	4	52.88	4	9004	SAN FERNAN	6056 6	PB	3180
	7	18	23	45	21.1825	1	14	18	8.611	-55	55	45.06	4	9011	VILLA DOLO	6189 6	NG	3127
	7	18	23	45	27.1823	1	14	27	12.203	-54	1	18.48	4	9011	VILLA DOLO	6189 9	NG	3128
	7	19	23	58	54.0332	10	11	19	26.892	-42	4	4.25	4	9011	VILLA DOLO	6205 5	LE	3118
	7	19	23	58	56.0332	10	11	21	46.642	-41	44	17.99	4	9011	VILLA DOLO	6205 6	LE	3447
	7	20	0	2	26.0476	3	17	48	33.431	-61	54	26.37	4	9007	AREQUIPA	6569 3	SS	2386
	7	20	0	2	34.0473	3	17	50	8.712	-59	48	26.26	4	9007	AREQUIPA	6569 5	SS	2387
	7	21	0	16	47.7305	3	13	50	32.795	-55	46	23.97	4	9007	AREQUIPA	6580 3	SS	2384
	7	21	0	16	55.7301	3	13	59	52.792	-53	53	33.51	4	9007	AREQUIPA	6580 7	SS	2385
	7	21	16	7	23.7941	1	13	39	40.074	20	2	36.81	4	9006	NAIN TAL	4747 9	WS	4131
	7	21	22	41	32.2833	10	16	50	45.823	-71	11	6.59	4	9011	VILLA DOLO	6221 6	LE	3115
	7	21	22	41	36.2830	10	16	51	40.090	-69	57	54.31	4	9011	VILLA DOLO	6221 8	LE	3446
	7	22	7	37	8.4432	1	12	42	3.120	-12	56	29.06	4	9012	MAUI	7127 4	WS	3104
	7	22	7	37	12.4434	1	12	42	14.175	-12	18	55.01	4	9012	MAUI	7127 6	WS	3105
	7	22	7	39	19.4930	1	12	42	54.544	12	44	16.08	4	9012	MAUI	7128 5	WS	3102
	7	22	7	39	21.4930	1	12	42	49.200	13	12	41.53	4	9012	MAUI	7128 6	WS	3103
	7	22	10	50	18.4645	3	10	33	58.860	-16	42	26.88	4	9003	WOOMERA	10218 7	FI	2020
	7	22	10	50	26.4644	3	10	38	4.766	-15	37	20.35	4	9003	WOOMERA	10218 9	FI	2021
	7	22	10	53	43.9615	1	12	12	16.493	16	42	13.65	4	9003	WOOMERA	10219 6	FI	2022
	7	22	10	53	51.9618	1	12	15	42.174	18	1	0.94	4	9003	WOOMERA	10219 8	FI	2670
	7	22	21	34	36.0766	1	14	43	3.305	25	58	40.61	4	9004	SAN FERNAN	6088 4	NG	3183
	7	22	22	56	28.7211	1	13	16	5.856	-50	21	21.36	4	9011	VILLA DOLO	6229 3	LE	3116
	7	22	22	56	36.7210	1	13	27	37.148	-47	47	35.28	4	9011	VILLA DOLO	6229 7	LE	3117
	7	23	0	44	5.2687	3	10	39	56.394	-27	54	41.43	4	9007	AREQUIPA	6610 3	WS	3092
	7	23	0	44	13.2686	3	10	43	25.838	-26	50	34.46	4	9007	AREQUIPA	6610 5	WS	3093
	7	23	0	46	24.1674	3	11	38	19.411	- 3	43	31.51	4	9007	AREQUIPA	6611 3	PB	3434
	7	23	0	46	36.1662	3	11	43	6.414	- 1	8	45.43	4	9007	AREQUIPA	6611 6	PB	3435
	7	23	0	50	5.0776	3	12	59	17.667	42	1	13.87	4	9007	AREQUIPA	6612 3	PB	3437
	7	23	0	53	42.8690	1	13	16	57.408	-12	1	38.56	4	9009	CURACAO	5618 4	NG	4123
	7	23	0	53	46.8692	1	13	17	57.246	-10	56	12.84	4	9009	CURACAO	5618 6	NG	3114
	7	23	23	10	22.8059	1	11	4	42.701	-32	54	58.31	4	9011	VILLA DOLO	6244 2	SE	3119
	7	23	23	10	30.8056	1	11	12	52.587	-31	12	52.04	4	9011	VILLA DOLO	6244 6	SE	3120
	7	24	9	33	36.0291	3	11	15	57.307	-35	45	16.38	4	9003	WOOMERA	10232 6	NG	2023
	7	24	9	33	48.0288	3	11	29	5.705	-32	58	15.32	4	9003	WOOMERA	10232 10	NG	2024
	7	24	9	34	2.0285	3	11	44	1.282	-29	25	3.66	4	9003	WOOMERA	10232 17	NG	2025
	7	24	23	22	5.2271	10	8	55	4.048	-35	20	15.14	4	9011	VILLA DOLO	6259 6	FI	3123
	7	24	23	22	9.2261	10	8	57	31.264	-35	3	13.61	4	9011	VILLA DOLO	6259 7	FI	3124
	7	24	23	29	2.1261	3	13	52	52.709	-29	37	4.68	4	9007	AREQUIPA	6633 4	TJ	3448
	7	24	23	29	14.1256	3	14	2	48.621	-24	53	41.75	4	9007	AREQUIPA	6633 10	TJ	3449
	7	25	9	45	58.0070	3	9	17	57.708	-34	7	3.51	4	9003	WOOMERA	10247 6	NG	2026

CATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1962	7	25	9	46	6.0070	3	9	23	19.398	-33	20	8.68	4	9003	WOOMERA	10247	8	NG	2671
	7	25	9	48	9.1259	3	10	47	34.394	-14	57	51.74	4	9003	WOOMERA	10248	11	SS	2027
	7	25	9	52	25.4439	3	13	11	51.207	34	59	44.73	4	9003	WOOMERA	10249	7	SS	2028
	7	25	23	52	34.9192	1	15	41	8.471	25	31	23.02	4	9009	CURACAO	5645	4		3734
	7	26	20	45	9.1263	1	13	42	20.572	17	10	31.88	4	9004	SAN FERNAN	6123	7	NG	3184
	7	26	23	55	59.0710	1	10	22	38.878	-17	48	11.95	4	9007	AREQUIPA	6651	4	PB	3436
	7	26	23	58	56.2867	1	11	27	58.333	16	57	39.12	4	9007	AREQUIPA	6652	4	SE	3433
	7	26	23	59	8.2860	1	11	32	2.221	19	27	30.88	4	9007	AREQUIPA	6652	7	SE	3096
	7	28	9	38	21.1927	1	5	39	45.592	8	8	16.13	4	9010	JUPITER	7161	5	SE	3108
	7	28	9	38	29.1941	1	5	39	11.514	6	50	45.91	4	9010	JUPITER	7161	7	SE	3109
	7	28	18	13	5.4083	3	5	40	13.898	24	57	37.06	4	9005	TOKYO	6144	6	HB	3097
	7	28	18	13	13.4088	3	5	38	19.956	23	39	36.89	4	9005	TOKYO	6144	7	HB	3442
	7	29	10	2	57.3984	1	6	9	28.440	17	58	41.98	4	9007	AREQUIPA	6682	6	SE	3094
	7	29	10	3	5.3979	1	6	11	28.818	16	40	7.77	4	9007	AREQUIPA	6682	8	SE	3095
	8	1	8	49	39.6137	1	4	56	1.858	4	41	41.39	4	9010	JUPITER	7204	5	LT	4436
	8	1	8	49	47.6146	1	4	55	37.555	3	24	18.94	4	9010	JUPITER	7204	7	LT	4437
	8	3	10	54	55.4363	1	18	32	29.050	71	31	48.47	4	9001	ORGAN PASS	7269	3	DM	4416
	8	3	10	54	59.4364	1	18	40	42.153	71	44	9.84	4	9001	ORGAN PASS	7269	5	DM	4417
	8	4	7	42	57.6033	1	5	19	13.386	39	52	51.46	4	9010	JUPITER	7228	3	BN	4438
	8	4	7	43	9.6048	1	5	15	13.038	37	56	36.88	4	9010	JUPITER	7228	6	BN	4439
	8	4	9	35	23.2764	1	22	45	38.138	- 1	42	56.00	4	9009	CURACAO	5737	2	LT	5813
	8	4	9	35	27.2762	1	22	47	27.385	- 2	49	24.92	4	9009	CURACAO	5737	4	LT	4435
	8	5	3	8	7.7909	1	7	11	12.900	-50	7	10.19	4	9002	OLIFANTS	8600	7	LT	4489
	8	5	3	8	15.7905	1	7	18	22.328	-50	38	52.75	4	9002	OLIFANTS	8600	8	LT	4490
	8	5	8	1	11.0641	1	4	11	48.683	- 0	58	31.08	4	9010	JUPITER	7234	4	BN	4440
	8	5	8	1	27.0632	1	4	11	30.148	- 3	24	29.57	4	9010	JUPITER	7234	6	BN	4441
	8	5	13	14	11.0395	1	4	27	19.492	1	6	6.47	4	9012	MAUI	7236	7	BN	4442
	8	5	13	14	15.0395	1	4	27	18.590	0	26	25.04	4	9012	MAUI	7236	9	BN	4443
	8	6	8	23	33.8151	1	4	19	13.765	32	36	38.40	4	9007	AREQUIPA	6779	5	MY	3983
	8	6	8	23	37.8150	1	4	20	17.254	31	58	7.32	4	9007	AREQUIPA	6779	6	MY	3984
	8	6	8	28	22.4773	1	5	47	55.123	-16	44	0.09	4	9007	AREQUIPA	6780	3	VD	4426
	8	6	8	28	46.4767	1	5	56	25.875	-20	0	35.21	4	9007	AREQUIPA	6780	9	VD	4427
	8	7	3	36	11.8028	1	23	41	17.527	-82	2	9.36	4	9002	OLIFANTS	8646	11	LT	4487
	8	7	3	36	35.8011	1	23	35	27.674	-86	29	58.16	4	9002	OLIFANTS	8646	14	LT	4488
	8	7	8	36	18.9662	1	2	32	58.791	49	32	0.10	4	9007	AREQUIPA	6791	3	BN	4424
	8	7	8	36	34.9659	1	2	39	19.635	47	20	4.40	4	9007	AREQUIPA	6791	7	BN	4425
	8	8	1	37	9.0485	1	7	8	5.985	65	17	9.23	4	9004	SAN FERNAN	6251	4	BA	5810
	8	8	1	37	21.0484	1	6	49	59.687	64	26	34.94	4	9004	SAN FERNAN	6251	7	BA	4407
	8	8	1	42	14.2712	1	3	42	59.815	17	4	27.99	4	9004	SAN FERNAN	6252	5	DM	4404
	8	8	1	42	18.2712	1	3	42	19.654	16	25	59.41	4	9004	SAN FERNAN	6252	6	DM	4405
	8	8	1	58	35.5862	1	3	7	54.630	31	45	21.10	4	9002	OLIFANTS	8659	4	VD	4485
	8	8	1	58	47.5863	1	3	13	2.475	29	48	37.45	4	9002	OLIFANTS	8659	7	VD	4486
	8	8	2	3	36.2194	1	5	47	12.209	-27	18	1.20	4	9002	OLIFANTS	8660	4	LT	4494
	8	8	2	3	48.2195	1	5	54	38.854	-29	2	17.46	4	9002	OLIFANTS	8660	7	LT	4495
	8	8	3	45	9.2636	1	22	19	31.736	- 0	40	24.52	4	9002	OLIFANTS	8666	5	LT	4493

CATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME	NO.	MS	OBS.NO.
1962	8	8	3	45	13.2636	1	22	19	28.364	- 1	22	36.65	4	9002	OLIFANTS	8666	6	LT	5880
	8	8	3	50	14.2691	1	20	58	1.210	-65	46	42.85	4	9002	OLIFANTS	8667	5	VD	4483
	8	8	3	50	18.2692	1	20	54	9.102	-66	26	38.59	4	9002	OLIFANTS	8667	6	VD	4484
	8	9	1	50	52.2062	1	9	42	34.598	73	37	24.77	4	9004	SAN FERNAN	6260	3	DM	4402
	8	9	1	50	56.2059	1	9	34	3.076	73	51	19.09	4	9004	SAN FERNAN	6260	4	DM	4403
	8	9	1	57	55.7443	1	3	0	35.964	0	18	14.26	4	9004	SAN FERNAN	6261	3	MY	5875
	8	9	1	58	3.7441	1	3	0	17.203	- 0	54	24.84	4	9004	SAN FERNAN	6261	5	MY	7241
	8	10	3	52	14.4642	1	18	46	12.809	26	17	5.53	4	9004	SAN FERNAN	6277	3	MY	4504
	8	10	3	52	22.4640	1	18	50	57.612	25	32	44.35	4	9004	SAN FERNAN	6277	5	MY	4505
	8	10	18	7	46.7142	3	6	12	48.424	-28	26	42.38	4	9003	WOOMERA	10432	3	VD	4481
	8	10	18	7	50.7139	3	6	15	3.580	-28	49	55.87	4	9003	WOOMERA	10432	4	VD	4482
	8	11	2	48	9.3579	1	16	49	13.823	-86	53	30.62	4	9002	OLIFANTS	8710	4	LT	4496
	8	11	2	48	13.3580	1	16	5	20.560	-86	47	29.39	4	9002	OLIFANTS	8710	5	LT	4497
	8	11	7	32	9.3532	1	4	40	58.658	49	18	40.73	4	9001	ORGAN PASS	7362	2	BA	4430
	8	11	7	32	17.3561	1	4	36	8.381	48	10	36.87	4	9001	ORGAN PASS	7362	6	BA	4431
	8	11	9	17	20.0916	1	18	13	8.483	64	32	7.67	4	9001	ORGAN PASS	7364	3	LT	4432
	8	11	9	17	28.0916	1	18	27	13.055	64	24	55.56	4	9001	ORGAN PASS	7364	7	LT	4433
	8	11	9	42	3.0307	1	21	33	56.861	-30	4	13.87	4	9011	VILLA DOLO	6404	7	DA	4423
	8	11	9	46	12.7292	1	17	49	25.701	-71	32	44.59	4	9011	VILLA DOLO	6405	5	BN	4444
	8	11	9	46	24.7289	1	17	26	3.464	-71	57	33.65	4	9011	VILLA DOLO	6405	8	BN	5884
	8	11	20	5	56.8785	3	21	7	18.729	-45	16	30.87	4	9003	WOOMERA	10452	5	VD	4512
	8	11	20	6	12.8788	3	20	59	46.759	-48	38	52.28	4	9003	WOOMERA	10452	9	VD	4513
	8	11	20	9	4.8743	3	17	30	17.635	-72	29	23.08	4	9003	WOOMERA	10453	4	VD	4510
	8	11	20	9	12.8742	3	17	14	17.142	-72	42	10.69	4	9003	WOOMERA	10453	6	VD	4511
	8	12	7	44	29.3849	1	7	9	56.929	70	20	14.58	4	9001	ORGAN PASS	7376	3	MY	3994
	8	12	7	44	35.3850	10	6	59	4.639	70	6	35.70	4	9001	ORGAN PASS	7376	6	MY	5874
	8	12	7	46	33.0376	1	4	20	55.123	56	24	24.13	4	9001	ORGAN PASS	7377	3	MY	3996
	8	12	7	46	41.0377	1	4	14	34.928	54	58	51.95	4	9001	ORGAN PASS	7377	7	MY	3997
	8	14	15	8	8.3178	3	4	54	18.237	77	22	41.91	4	9005	TOKYO	6341	8	VD	9134
	8	17	0	13	45.9158	1	7	4	5.791	78	54	22.14	4	9004	SAN FERNAN	6333	6	MY	4502
	8	17	0	13	49.9161	1	6	48	2.129	78	54	41.85	4	9004	SAN FERNAN	6333	7	MY	4503
	8	18	0	27	48.6366	1	13	41	9.133	77	49	22.79	4	9004	SAN FERNAN	6342	5	DM	4414
	8	18	0	27	56.6368	1	13	53	36.328	79	4	29.27	4	9004	SAN FERNAN	6342	7	DM	5882
	8	19	23	11	23.5726	1	3	41	8.677	63	31	30.20	4	9004	SAN FERNAN	6351	3	VD	4508
	8	19	23	11	27.5726	1	3	35	50.335	62	54	59.90	4	9004	SAN FERNAN	6351	4	VD	4509
	8	22	22	8	26.8953	1	2	51	39.394	53	2	55.69	4	9004	SAN FERNAN	6371	2	HC	4498
	8	22	22	8	42.8959	1	2	39	18.120	50	37	34.82	4	9004	SAN FERNAN	6371	6	HC	4499
	8	27	4	15	50.7800	1	2	24	48.094	58	39	11.76	4	9001	ORGAN PASS	7478	4	MY	5873
	8	27	4	15	58.7800	1	2	17	30.477	57	28	15.15	4	9001	ORGAN PASS	7478	8	MY	3993
	8	27	12	55	9.5227	3	15	2	16.183	71	5	43.17	4	9005	TOKYO	6402	4	VD	7276
	8	27	12	55	17.5232	3	15	21	48.066	71	21	54.08	4	9005	TOKYO	6402	5	VD	6879
	8	29	4	43	35.6489	1	12	23	13.189	85	13	36.83	4	9001	ORGAN PASS	7497	3	MY	3990
	8	29	4	43	43.6489	1	13	7	50.410	86	27	21.39	4	9001	ORGAN PASS	7497	7	MY	3991
	8	29	11	39	39.5120	3	0	22	19.120	51	28	23.41	4	9005	TOKYO	6416	3	RO	7277
	8	29	11	39	51.5124	3	0	16	13.068	48	21	18.99	4	9005	TOKYO	6416	6	RO	6881

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.	MS	OBS.NO.
1962	8	30	4	57	49.6470	1	14	36	35.642	66	18	32.89	4	9001	ORGAN PASS	7510 3	MY	3988
	8	30	4	57	53.6476	1	14	43	17.902	66	22	52.63	4	9001	ORGAN PASS	7510 5	MY	3989
	8	31	3	28	8.8130	1	0	48	14.317	47	2	12.45	4	9001	ORGAN PASS	7521 4	MY	4107
	8	31	3	28	16.8131	1	0	44	9.755	45	28	28.25	4	9001	ORGAN PASS	7521 8	MY	3987
	9	2	2	12	41.7651	1	22	32	30.777	82	47	12.57	4	9010	JUPITER	7346 7	HB	8216
	9	3	16	18	37.7435	1	15	48	44.434	33	13	47.22	4	9006	NAIN TAL	4786 4	LE	8129
	9	4	4	22	51.4586	1	14	10	50.782	45	41	26.96	4	9001	ORGAN PASS	7546 4	PB	8123
	9	4	4	22	57.4588	1	14	15	52.149	45	22	26.64	4	9001	ORGAN PASS	7546 7	PB	8124
	9	4	4	25	33.7764	1	16	36	28.589	24	55	48.37	4	9001	SAN FERNAN	7547 2	LE	8125
	9	4	4	25	43.7733	1	16	45	5.518	22	43	11.80	4	9001	ORGAN PASS	7547 7	LE	8126
	9	4	16	32	11.8477	1	15	12	21.413	24	49	0.52	4	9006	NAIN TAL	4789 5	LE	8130
	9	5	1	11	30.8553	1	23	19	29.706	44	24	56.56	4	9010	JUPITER	7366 5	HB	8217
	9	5	1	11	38.8578	1	23	17	20.151	42	24	29.42	4	9010	JUPITER	7366 9	HB	8218
	9	5	6	21	43.8720	1	1	29	47.174	76	4	21.28	4	9012	MAUI	7489 6	CB	8091
	9	5	6	21	47.8720	1	1	23	1.774	75	39	8.93	4	9012	MAUI	7489 7	CB	8092
	9	5	6	23	53.0739	1	23	39	49.015	55	5	3.77	4	9012	MAUI	7490 8	HB	8093
	9	5	6	23	59.0738	1	23	37	47.648	53	48	38.74	4	9012	MAUI	7490 11	HB	8094
	9	7	1	41	22.6146	1	19	19	23.386	14	56	23.64	4	9010	JUPITER	7389 3	FI	8277
	9	7	1	41	26.6150	1	19	21	58.269	13	29	14.02	4	9010	JUPITER	7389 5	FI	8278
	9	8	3	35	36.3504	1	15	3	4.316	32	29	39.46	4	9001	ORGAN PASS	7551 5	LE	8127
	9	8	7	5	6.4798	1	14	39	33.858	46	54	42.76	4	9012	MAUI	7538 3	FI	8839
	9	8	7	5	18.4799	1	14	48	26.191	45	47	47.68	4	9012	MAUI	7538 6	FI	8082
	9	8	7	7	44.0559	1	16	33	35.751	20	56	51.91	4	9012	MAUI	7539 3	FI	8083
	9	8	7	7	52.0555	1	16	38	57.526	18	55	23.48	4	9012	MAUI	7539 7	FI	8084
	9	8	10	30	14.7969	1	16	46	7.873	44	40	57.75	4	9005	TOKYO	6439 7	LE	8241
	9	8	10	30	18.7970	1	16	51	37.809	43	37	55.97	4	9005	TOKYO	6439 8	LE	8242
	9	8	20	53	19.2953	1	14	51	48.842	22	21	57.76	4	9004	SAN FERNAN	6487 4	PB	9853
	9	8	20	53	25.2953	1	14	56	4.420	21	29	5.95	4	9004	SAN FERNAN	6487 7	CB	9854
	9	9	0	25	0.7873	1	20	10	6.193	75	13	7.00	4	9009	CURACAO	5930 4	LE	9098
	9	9	0	25	4.7874	1	20	13	32.762	74	36	23.66	4	9009	CURACAO	5930 5	LE	8238
	9	9	5	34	50.8592	1	22	49	13.086	57	44	7.96	4	9012	MAUI	7554 4	FI	8085
	9	9	5	34	54.8592	1	22	47	55.338	56	51	32.04	4	9012	MAUI	7554 6	FI	8086
	9	9	7	22	49.9864	1	16	6	20.036	- 1	40	51.50	4	9012	MAUI	7560 4	FI	8087
	9	9	15	57	6.3645	1	18	53	22.853	49	47	55.69	4	9008	SHIRAZ	9247 5	FI	8281
	9	9	15	57	16.3653	1	19	2	22.244	46	17	12.95	4	9008	SHIRAZ	9247 10	FI	333
	9	10	0	39	29.5996	1	16	20	18.892	62	31	43.25	4	9009	CURACAO	5940 3	LE	8239
	9	10	0	39	37.5999	1	16	28	58.431	61	39	18.07	4	9009	CURACAO	5940 5	LE	8240
	9	11	6	4	16.7451	1	17	13	49.264	40	20	38.24	4	9012	MAUI	7568 5	HB	8095
	9	11	6	4	18.7451	1	17	15	42.839	39	46	27.44	4	9012	MAUI	7568 6	HB	8096
	9	11	19	50	52.9470	1	15	17	58.747	25	31	21.48	4	9004	SAN FERNAN	6518 4	CB	8250
	9	11	19	50	56.9470	1	15	21	44.867	24	40	8.45	4	9004	SAN FERNAN	6518 6	CB	9855
	9	12	6	18	42.4397	1	15	43	8.956	18	37	44.15	4	9012	MAUI	7584 7	FI	8088
	9	15	5	15	24.7329	1	16	18	21.518	34	35	47.46	4	9012	MAUI	7616 4	FI	8089
	9	15	5	15	28.7329	1	16	21	51.394	33	26	56.16	4	9012	MAUI	7616 6	FI	8090
	9	15	17	33	36.0801	1	19	22	11.772	39	6	23.62	4	9002	OLIFANTS	9257 4	KA	8207

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1962	9	15	17	33	48.0803	1	19	27	10.996	37	30	31.86	4	9002	OLIFANTS	9257	7	KA	9092
	9	15	17	38	19.8515	1	22	13	8.575	-27	37	9.92	4	9002	OLIFANTS	9258	4	TJ	9093
	9	15	17	38	47.8536	1	22	37	46.724	-34	6	16.17	4	9002	OLIFANTS	9258	11	TJ	8210
	9	16	17	48	16.6721	1	17	47	7.939	28	52	14.70	4	9002	OLIFANTS	9278	8	TJ	9851
	9	16	17	48	24.6725	1	17	49	29.308	27	37	31.44	4	9002	OLIFANTS	9278	10	TJ	9094
	9	18	9	36	49.8324	1	19	47	59.924	34	58	23.38	4	9003	WOOMERA	10839	4	CB	8222
	9	18	9	36	57.8323	1	19	51	21.108	33	56	4.69	4	9003	WOOMERA	10839	6	CB	331
	9	18	11	23	17.2072	1	15	48	5.237	4	49	0.61	4	9003	WOOMERA	10844	2	BZ	9097
	9	18	11	23	25.2072	1	15	47	55.018	3	40	17.61	4	9003	WOOMERA	10844	4	BZ	8224
	9	18	11	30	27.2309	1	11	35	30.312	-73	23	53.80	4	9003	WOOMERA	10845	8	SC	8225
	9	18	18	50	42.4263	1	9	44	33.520	-32	34	24.22	4	9003	WOOMERA	10851	3	SC	8226
	9	18	18	50	54.4267	1	9	40	49.150	-30	25	34.69	4	9003	WOOMERA	10851	6	WS	8227
	9	19	11	40	17.3106	1	15	0	11.949	-24	6	16.95	4	9003	WOOMERA	10860	11	BZ	8228
	9	19	11	40	29.3104	1	14	57	35.575	-26	6	29.12	4	9003	WOOMERA	10860	14	BZ	8229
	9	19	11	43	20.2062	1	13	42	55.627	-54	9	52.55	4	9003	WOOMERA	10861	3	KA	8230
	9	19	11	43	28.2061	1	13	36	48.620	-55	16	0.10	4	9003	WOOMERA	10861	5	KA	8231
	9	19	16	49	9.6111	1	21	11	7.548	-28	19	15.05	4	9002	OLIFANTS	9326	6	NG	8213
	9	19	16	49	13.6117	1	21	14	45.389	-29	25	3.81	4	9002	OLIFANTS	9326	8	NG	8214
	9	19	19	7	27.6011	1	8	44	45.061	- 3	45	6.04	4	9003	WOOMERA	10867	4	KA	8232
	9	19	19	7	35.6005	1	8	44	11.449	- 2	19	46.07	4	9003	WOOMERA	10867	6	KA	8233
	9	21	2	13	29.9576	1	10	7	47.140	-62	36	50.65	4	9002	OLIFANTS	9356	2	PB	8215
	9	21	2	17	2.6175	1	8	48	8.706	-14	0	45.98	4	9002	OLIFANTS	9357	4	PB	8842
	9	21	2	17	10.6169	1	8	47	22.166	-12	15	36.04	4	9002	OLIFANTS	9357	6	PB	9095
	9	22	2	27	14.8134	1	9	0	37.754	-83	51	19.56	4	9002	OLIFANTS	9376	4	NG	8078
	9	22	17	33	41.4996	1	13	35	9.542	-61	6	1.87	4	9002	OLIFANTS	9382	11	NG	9096
	9	23	2	41	30.3937	1	0	9	11.817	-71	41	15.60	4	9002	OLIFANTS	9394	7	FI	9513
	9	23	2	41	38.3928	1	0	28	11.489	-71	26	28.41	4	9002	OLIFANTS	9394	9	FI	1043
	9	24	15	14	56.8771	1	7	26	11.867	-44	38	18.26	4	9012	MAUI	7714	5	WS	8097
	9	24	15	15	4.8770	1	7	29	20.561	-43	28	31.76	4	9012	MAUI	7714	9	WS	8098
	9	25	1	24	17.2132	1	9	36	27.159	-67	12	45.05	4	9002	OLIFANTS	9426	7	FI	8259
	9	25	1	28	41.1892	1	8	0	17.401	- 4	48	25.62	4	9002	OLIFANTS	9427	8	FI	9101
	9	25	1	28	49.1894	1	7	59	56.748	- 3	9	38.65	4	9002	OLIFANTS	9427	10	FI	8260
	9	25	8	21	39.0822	1	9	26	17.861	-73	14	30.91	4	9007	AREQUIPA	7112	3	NG	8219
	9	25	8	21	47.0817	1	9	18	20.695	-72	5	16.44	4	9007	AREQUIPA	7112	5	NG	8220
	9	26	1	37	52.3483	1	21	51	19.038	-89	28	22.87	4	9002	OLIFANTS	9443	5	FI	3068
	9	26	1	38	0.3480	1	5	2	40.042	-88	49	45.88	4	9002	OLIFANTS	9443	7	FI	3069
	9	26	17	9	57.3072	1	10	14	49.438	-62	5	9.58	4	9003	WOOMERA	10919	3	BZ	8234
	9	27	14	14	7.5945	1	8	28	15.023	-18	17	13.17	4	9012	MAUI	7739	3	WS	8840
	9	27	19	16	15.2274	1	2	31	47.371	32	19	45.81	4	9003	WOOMERA	10933	1	WS	8235
	9	27	19	16	23.2270	1	2	35	25.527	33	29	6.52	4	9003	WOOMERA	10933	3	WS	8236
	9	28	14	25	53.6465	1	6	32	8.601	-45	30	1.30	4	9012	MAUI	7748	5	WS	8100
	9	28	14	25	57.6464	1	6	33	49.101	-44	55	34.12	4	9012	MAUI	7748	7	WS	8841
	10	1	13	27	50.0429	1	8	45	35.593	11	39	1.11	4	9012	MAUI	7786	8	HC	391
	10	1	15	9	15.3007	1	1	32	54.550	-16	18	23.25	4	9012	MAUI	7788	4	PL	388
	10	1	15	9	19.3007	1	1	33	17.676	-15	36	9.59	4	9012	MAUI	7788	6	PL	389

CATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1962	10	2	8	28	59.1798	1	7	17	16.574	-18	55	48.68	4	9010	JUPITER	7535	3	HC	549
	10	2	8	29	15.1802	1	7	24	30.322	-15	52	11.93	4	9010	JUPITER	7535	7	HC	550
	10	2	8	29	15.7864	1	5	0	17.496	58	42	2.53	4	9009	CURACAO	6033	6	HC	392
	10	2	8	29	19.7867	1	5	4	22.778	59	36	7.28	4	9009	CURACAO	6033	7	HC	393
	10	2	15	25	1.5831	1	0	49	48.344	8	35	42.86	4	9012	MAUI	7807	4	GL	900
	10	2	15	25	28.5830	1	0	48	20.096	13	55	57.02	4	9012	MAUI	7807	13	GL	901
	10	2	15	29	23.1164	1	23	42	2.186	61	10	0.38	4	9012	MAUI	7808	5	GL	902
	10	2	15	29	48.4996	1	23	22	25.760	64	53	34.42	4	9012	MAUI	7808	13	GL	903
	10	3	0	5	15.2338	1	6	19	30.072	- 8	51	53.74	4	9008	SHIRAZ	9553	6	PG	397
	10	3	0	5	17.2339	1	6	20	50.865	- 8	19	51.80	4	9008	SHIRAZ	9553	7	PG	398
	10	3	3	37	38.3743	1	9	27	33.827	21	46	34.95	4	9004	SAN FERNAN	6675	3	BA	552
	10	3	8	45	18.2267	1	7	33	54.454	17	34	16.43	4	9010	JUPITER	7540	13	BA	4596
	10	3	8	45	24.2277	1	7	38	38.266	19	7	39.32	4	9010	JUPITER	7540	16	BA	551
	10	3	10	28	24.9075	1	6	31	30.480	-15	20	19.80	4	9001	ORGAN PASS	7766	4	MW	566
	10	3	10	28	32.9070	1	6	36	16.664	-13	37	41.33	4	9001	ORGAN PASS	7766	8	MW	567
	10	4	0	20	21.1238	1	4	55	45.157	20	0	34.80	4	9008	SHIRAZ	9570	9	PG	396
	10	5	14	26	31.5578	1	23	28	27.884	76	15	4.82	4	9012	MAUI	7842	2	DM	386
	10	5	14	26	35.5577	1	23	22	27.327	76	50	31.36	4	9012	MAUI	7842	4	DM	387
	10	6	0	52	58.9056	3	20	3	7.537	77	29	28.98	4	9008	SHIRAZ	9615	4	MY	513
	10	6	0	53	2.9055	3	19	51	25.129	77	31	45.71	4	9008	SHIRAZ	9615	5	MY	514
	10	6	11	13	43.7031	1	1	5	55.957	55	32	24.52	4	9001	ORGAN PASS	7803	3	BN	506
	10	6	11	13	47.7031	1	1	4	24.535	56	47	20.94	4	9001	ORGAN PASS	7803	5	BN	507
	10	7	1	5	14.1975	3	23	15	28.384	50	39	43.21	4	9008	SHIRAZ	9636	9	DM	515
	10	7	11	28	18.5733	1	23	39	29.392	50	29	29.91	4	9001	ORGAN PASS	7823	4	BN	508
	10	7	11	28	22.5735	1	23	36	56.938	51	21	10.36	4	9001	ORGAN PASS	7823	6	BN	509
	10	7	11	30	28.0885	1	21	0	17.952	70	42	45.35	4	9001	ORGAN PASS	7824	3	BN	560
	10	7	11	30	32.0887	1	20	52	26.973	70	58	42.50	4	9001	ORGAN PASS	7824	5	BN	561
	10	8	11	42	44.3713	1	23	8	43.565	44	48	57.65	4	9001	ORGAN PASS	7839	5	MY	511
	10	23	11	12	45.4826	1	5	47	24.163	-63	31	11.72	4	9003	WOOMERA	11159	3	GL	557
	10	23	11	13	1.4825	1	5	28	9.221	-61	18	29.00	4	9003	WOOMERA	11159	7	GL	558
	10	24	18	23	6.1856	1	5	30	24.344	-64	33	40.33	4	9002	OLIFANTS	9755	9	BA	3049
	10	25	11	41	57.7860	1	22	7	1.499	-79	41	42.93	4	9003	WOOMERA	11203	5	VD	555
	10	25	11	42	1.7860	1	22	23	2.709	-78	56	2.53	4	9003	WOOMERA	11203	7	VD	556
	10	25	18	38	7.6111	1	3	50	28.008	-71	15	3.91	4	9002	OLIFANTS	9774	6	BN	562
	10	25	18	38	19.6110	1	3	37	51.316	-68	39	7.75	4	9002	OLIFANTS	9774	9	BN	563
	10	28	0	14	34.8599	1	8	15	57.834	-84	54	43.61	4	9011	VILLA DOLO	7162	3	PL	917
	10	28	0	14	38.8598	1	7	40	40.905	-85	3	0.82	4	9011	VILLA DOLO	7162	4	DU	7884
	10	28	2	1	48.3829	1	18	46	42.191	-16	22	1.34	4	9011	VILLA DOLO	7171	4	HC	918
	10	28	2	1	56.3830	1	18	51	5.447	-15	14	3.26	4	9011	VILLA DOLO	7171	6	HC	919
	10	28	10	41	3.6505	1	2	2	35.069	-30	18	47.06	4	9003	WOOMERA	11235	3	VD	553
	10	28	10	41	9.6502	1	2	1	51.156	-28	22	47.51	4	9003	WOOMERA	11235	8	VD	554
	10	28	12	24	39.4638	1	18	33	26.771	-20	32	43.61	4	9003	WOOMERA	11243	4	MW	543
	10	28	12	25	3.4634	1	18	47	10.945	-17	9	40.64	4	9003	WOOMERA	11243	10	MW	544
	10	28	17	37	4.4720	1	3	1	53.826	-31	12	51.28	4	9002	OLIFANTS	9811	6	GL	502
	10	28	17	37	8.4727	1	3	0	57.462	-30	17	44.13	4	9002	OLIFANTS	9811	7	GL	503

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1962	10	29	0	29	40.2825	1	19	4	54.855	-73	0	24.87	4	9011	VILLA DOLO	7188	4	HC	920
	10	29	0	29	44.2826	1	19	18	0.913	-72	42	10.42	4	9011	VILLA DOLO	7188	5	HC	921
	10	29	0	33	8.6219	1	23	58	29.018	- 3	57	59.93	4	9011	VILLA DOLO	7189	3	MW	922
	10	29	0	33	12.6218	1	0	0	8.978	- 2	38	9.83	4	9011	VILLA DOLO	7189	5	MW	923
	10	30	0	43	59.1058	1	18	15	4.186	-47	38	42.34	4	9011	VILLA DOLO	7211	2	VD	924
	10	30	0	44	3.1059	1	18	20	5.781	-47	10	7.02	4	9011	VILLA DOLO	7211	3	VD	925
	10	30	0	47	36.1832	1	21	59	39.856	10	9	44.07	4	9011	VILLA DOLO	7212	5	DU	4597
	10	30	0	47	40.1832	1	22	2	19.907	11	13	27.74	4	9011	VILLA DOLO	7212	7	DU	930
	10	30	0	48	4.0318	1	1	40	59.936	-59	0	58.76	4	9007	AREQUIPA	7432	2	PG	399
	10	30	0	48	12.0326	1	1	41	30.773	-56	49	24.74	4	9007	AREQUIPA	7432	3	PG	400
	10	30	11	7	20.1694	1	18	35	53.116	-50	28	46.99	4	9003	WOOMERA	11278	3	RO	545
	10	30	11	7	32.1693	1	18	52	54.349	-48	43	30.31	4	9003	WOOMERA	11278	9	RO	546
	10	30	11	10	58.9129	1	22	24	32.476	12	55	41.89	4	9003	WOOMERA	11279	3	RO	547
	10	30	11	11	8.9130	1	22	30	31.250	15	27	21.58	4	9003	WOOMERA	11279	8	RO	548
	10	31	0	59	3.2821	1	18	39	48.829	-20	57	28.75	4	9011	VILLA DOLO	7241	3	VD	926
	10	31	0	59	11.2820	1	18	45	44.583	-19	28	44.17	4	9011	VILLA DOLO	7241	5	VD	927
	10	31	1	2	32.6375	1	21	58	19.038	-53	47	11.26	4	9007	AREQUIPA	7455	2	RO	6442
	10	31	1	2	37.0487	1	20	58	39.408	24	9	46.88	4	9011	VILLA DOLO	7242	5	DU	2225
	10	31	1	2	41.0489	1	21	0	45.563	24	51	54.89	4	9011	VILLA DOLO	7242	6	DU	928
	11	1	11	35	18.5824	1	17	46	6.823	-21	1	28.00	4	9003	WOOMERA	11304	3	RO	3100
	11	1	11	35	28.5825	1	17	51	31.163	-19	46	57.05	4	9003	WOOMERA	11304	8	RO	1996
	11	1	11	37	11.1308	1	18	46	0.171	- 4	17	45.74	4	9003	WOOMERA	11305	2	RO	1997
	11	1	11	37	23.1306	1	18	52	9.885	- 2	13	50.58	4	9003	WOOMERA	11305	8	RO	1998
	11	1	11	39	57.9703	1	20	4	45.742	24	18	49.82	4	9003	WOOMERA	11306	3	BA	1999
	11	1	11	40	9.9701	1	20	9	48.139	26	8	21.90	4	9003	WOOMERA	11306	6	BA	2000
	11	1	23	41	59.6784	1	21	4	53.142	-51	57	22.75	4	9011	VILLA DOLO	7261	6	RO	2592
	11	1	23	43	27.5208	1	3	5	36.942	-65	43	12.98	4	9007	AREQUIPA	7481	4	HC	2694
	11	1	23	43	35.5209	1	3	0	39.086	-64	22	24.80	4	9007	AREQUIPA	7481	6	HC	2695
	11	2	23	55	45.8021	1	18	29	45.590	-35	43	4.33	4	9011	VILLA DOLO	7276	4	RO	2593
	11	3	0	3	32.9872	1	1	22	50.917	22	7	52.39	4	9007	AREQUIPA	7502	5	HC	2698
	11	3	10	19	6.6302	1	18	51	46.333	-37	4	43.64	4	9003	WOOMERA	11338	4	LD	2001
	11	3	10	19	10.6302	1	18	56	32.957	-36	7	38.02	4	9003	WOOMERA	11338	6	LD	2002
	11	4	10	31	6.4374	1	16	29	58.169	-36	45	39.67	4	9003	WOOMERA	11356	3	LD	2003
	11	4	10	31	14.4371	1	16	35	29.974	-36	6	12.51	4	9003	WOOMERA	11356	5	LD	2004
	11	4	10	33	11.1450	1	17	59	53.940	-20	35	34.78	4	9003	WOOMERA	11357	4	LD	2005
	11	4	10	33	13.1451	1	18	1	21.260	-20	13	22.51	4	9003	WOOMERA	11357	5	LD	2006
	11	4	17	30	5.4985	1	19	7	42.252	-26	36	4.54	4	9002	OLIFANTS	9869	10	YK	2288
	11	4	17	30	13.4981	1	19	15	10.019	-24	20	11.65	4	9002	OLIFANTS	9869	12	MW	2289
	11	4	19	57	33.5776	1	17	59	6.016	70	42	2.61	4	9005	TOKYO	6751	4	HC	7073
	11	4	19	57	41.5779	1	17	43	37.898	70	35	36.74	4	9005	TOKYO	6751	5	HC	4098
	11	4	19	59	53.5150	1	14	29	32.889	55	48	14.59	4	9005	TOKYO	6752	4	HC	4784
	11	5	0	24	34.8746	1	17	56	24.128	- 6	0	18.98	4	9011	VILLA DOLO	7290	5	RO	2594
	11	5	0	24	42.8747	1	18	0	12.357	- 4	48	23.99	4	9011	VILLA DOLO	7290	7	RO	3012
	11	5	0	26	17.4049	1	18	43	17.528	10	7	12.34	4	9011	VILLA DOLO	7291	3	VD	2309
	11	5	17	44	22.5718	1	18	16	47.953	-10	22	33.87	4	9002	OLIFANTS	9896	6	YK	4677

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.	MS	OBS.NO.
1962	11	5	17	44	30.5716	1	18	21	27.321	- 8	41	38.04	4	9002	OLIFANTS	9896 8	YK	4678
	11	6	11	47	58.0592	1	14	46	26.823	53	49	19.77	4	9001	ORGAN PASS	8083 4	PL	2271
	11	7	1	38	51.9334	1	16	14	28.895	71	52	10.96	4	9008	SHIRAZ	9969 4	VD	2677
	11	7	1	38	59.9336	1	16	0	9.251	71	13	14.43	4	9008	SHIRAZ	9969 6	VD	2678
	11	7	11	59	57.9980	1	18	34	15.020	72	33	9.89	4	9001	ORGAN PASS	8102 4	PK	2272
	11	7	11	59	59.9980	1	18	30	38.096	72	36	26.73	4	9001	ORGAN PASS	8102 5	PK	7865
	11	7	15	33	2.6011	1	14	19	43.235	55	31	10.57	4	9012	MAUI	8114 4	VD	2310
	11	7	15	36	24.1798	1	13	28	50.431	20	35	7.85	4	9012	MAUI	8115 2	DM	2284
	11	7	15	36	26.1826	1	13	28	39.046	20	14	4.21	4	9012	MAUI	8115 3	DM	2285
	11	8	4	45	43.8095	1	1	30	35.676	-24	59	51.32	4	9012	MAUI	8116 4	BN	3006
	11	8	4	45	47.8094	1	1	31	48.966	-24	19	31.13	4	9012	MAUI	8116 5	BN	3104
	11	8	6	30	59.2889	1	19	42	24.198	-13	5	12.59	4	9012	MAUI	8122 6	BN	2287
	11	8	23	50	40.2980	1	23	41	41.233	56	57	2.51	4	9009	CURACAO	6234 4	GL	2323
	11	8	23	50	52.2983	1	23	54	30.807	59	16	55.52	4	9009	CURACAO	6234 7	GL	2324
	11	9	12	31	2.5701	1	6	47	19.373	75	26	20.43	4	9001	ORGAN PASS	8135 4	PK	2274
	11	9	12	31	6.5704	1	7	0	0.738	74	50	34.33	4	9001	ORGAN PASS	8135 6	PK	2275
	11	10	5	13	22.6570	1	22	22	11.735	-34	38	25.51	4	9012	MAUI	8148 7	BO	21
	11	10	10	58	11.1740	1	14	51	20.886	61	5	3.79	4	9001	ORGAN PASS	8150 5	PK	3102
	11	10	10	58	13.1740	1	14	49	15.728	60	52	12.49	4	9001	ORGAN PASS	8150 6	PK	2277
	11	11	2	2	26.6510	1	22	22	36.357	-28	49	19.52	4	9001	ORGAN PASS	8160 4	PL	3005
	11	11	2	2	30.6510	1	22	24	25.338	-28	11	32.42	4	9001	ORGAN PASS	8160 6	PL	3103
	11	11	5	28	25.6198	1	20	31	41.276	-13	10	16.31	4	9012	MAUI	8164 7	BO	2599
	11	11	9	34	33.7359	1	13	2	12.469	71	28	47.05	4	9009	CURACAO	6264 5	BA	2687
	11	12	2	16	53.5127	1	20	48	18.187	-19	10	6.58	4	9001	ORGAN PASS	8180 13	DM	2282
	11	12	2	16	57.5127	1	20	49	23.429	-18	26	58.53	4	9001	ORGAN PASS	8180 15	DM	2283
	11	12	16	11	48.5512	1	18	29	22.639	56	37	51.56	4	9008	SHIRAZ	10030 3	RO	2679
	11	12	16	11	52.5518	1	18	27	17.687	57	40	20.03	4	9008	SHIRAZ	10030 5	RO	2680
	11	13	15	14	15.6974	1	9	41	40.609	51	47	15.16	4	9012	MAUI	8192 4	BO	3675
	11	13	15	14	19.6974	1	9	43	48.396	50	30	56.59	4	9012	MAUI	8192 6	BO	3676
	11	13	15	14	21.6972	1	9	44	50.891	49	52	16.98	4	9012	MAUI	8192 7	BO	3677
	11	14	13	8	31.8264	1	21	43	40.926	15	39	47.91	4	9006	NAIN TAL	5346 7	BA	3008
	11	14	15	28	34.6308	1	6	37	1.848	37	54	33.05	4	9012	MAUI	8205 3	BO	3678
	11	14	15	28	42.6304	1	6	44	20.934	35	36	27.83	4	9012	MAUI	8205 7	BO	3679
	11	14	18	21	34.5951	1	0	27	30.962	5	24	33.88	4	9004	SAN FERNAN	6834 11	BN	2269
	11	14	18	21	38.5952	1	0	30	32.816	6	20	38.17	4	9004	SAN FERNAN	6834 13	BN	2270
	11	15	4	39	52.9064	1	19	42	7.022	- 2	14	1.35	4	9012	MAUI	8207 3	BA	2684
	11	15	4	39	56.9062	1	19	43	18.083	- 0	56	54.37	4	9012	MAUI	8207 5	BA	2685
	11	15	13	22	59.2457	1	19	26	5.057	27	49	29.80	4	9006	NAIN TAL	5368 9	VD	2319
	11	15	13	23	7.2445	1	19	26	57.876	30	41	13.20	4	9006	NAIN TAL	5368 11	VD	2320
	11	15	15	41	35.9014	1	4	22	17.136	32	56	12.82	4	9012	MAUI	8223 6	BA	2342
	11	15	15	45	51.8613	1	6	45	29.000	-25	50	35.17	4	9012	MAUI	8224 5	GL	2343
	11	15	15	45	55.8612	1	6	47	22.016	-26	41	33.74	4	9012	MAUI	8224 7	GL	2344
	11	16	9	2	51.1859	1	9	38	44.751	40	38	42.61	4	9009	CURACAO	6305 8	GL	2325
	11	16	9	2	53.1859	1	9	39	39.253	39	59	56.59	4	9009	CURACAO	6305 9	GL	2326
	11	19	9	9	34.7410	1	17	45	6.364	47	20	43.34	4	9005	TOKYO	6879 5	HC	2692

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.	MS	OBS.NO.
1962	11	19	9	9	38.7411	1	17	43	25.985	48	29	6.52	4	9005	TOKYO	6879 6	MC	2693
	11	20	12	49	11.1237	1	17	2	13.019	41	2	52.01	4	9006	NAIN TAL	5436 8	BO	3671
	11	20	18	47	35.7635	1	10	48	34.478	28	17	45.05	4	9003	WOOMERA	11528 6	PK	3004
	11	20	18	47	43.7634	1	10	51	50.409	27	8	48.44	4	9003	WOOMERA	11528 10	PK	2007
	11	22	2	0	58.7954	1	13	9	22.254	-33	29	56.86	4	9002	OLIFANTS	9977 5	BO	2294
	11	22	2	1	6.7961	1	13	14	39.741	-34	27	5.46	4	9002	OLIFANTS	9977 7	BO	2295
	11	23	2	14	53.1635	1	12	30	59.291	-50	19	53.15	4	9002	OLIFANTS	9992 10	BO	2296
	11	23	2	14	57.1636	1	12	35	37.364	-50	48	36.60	4	9002	OLIFANTS	9992 11	YK	3107
	11	24	7	38	29.1913	1	11	21	5.915	0	14	33.41	4	9011	VILLA DOLO	7489 7	RO	2596
	11	24	8	35	12.0219	1	16	0	16.183	44	20	32.81	4	9005	TOKYO	6909 10	GL	3007
	11	24	18	0	43.6157	1	11	3	18.360	6	20	54.98	4	9003	WOOMERA	11573 3	PK	2008
	11	24	18	0	51.6157	1	11	7	28.997	4	50	4.80	4	9003	WOOMERA	11573 7	PK	2009
	11	25	7	53	2.9953	1	10	44	16.115	-14	1	50.95	4	9011	VILLA DOLO	7503 7	RO	2597
	11	25	7	53	6.9950	1	10	47	38.770	-15	5	11.33	4	9011	VILLA DOLO	7503 9	RO	2598
	11	25	18	15	21.2829	1	10	24	9.760	- 6	16	38.07	4	9003	WOOMERA	11592 3	BA	2010
	11	25	18	15	33.2826	1	10	33	23.969	- 9	27	23.38	4	9003	WOOMERA	11592 9	BA	2011
	11	25	18	15	37.2824	1	10	36	32.211	-10	30	35.89	4	9003	WOOMERA	11592 11	BA	2012
	11	26	1	12	11.9723	1	12	42	18.793	-38	7	18.29	4	9002	OLIFANTS	10023 5	RO	2301
	11	26	1	12	19.9726	1	12	48	1.369	-38	57	12.83	4	9002	OLIFANTS	10023 7	RO	2302
	11	26	18	29	26.5326	1	8	29	27.474	-16	52	55.64	4	9003	WOOMERA	11607 4	YK	2261
	11	26	18	29	30.5325	1	8	32	45.676	-18	22	31.69	4	9003	WOOMERA	11607 6	YK	4782
	11	27	16	58	16.3319	1	11	11	56.132	1	51	49.52	4	9003	WOOMERA	11622 8	YK	2263
	11	27	16	58	20.3319	1	11	13	37.981	1	15	54.17	4	9003	WOOMERA	11622 9	YK	2264
	11	27	18	41	42.9191	1	5	38	19.420	8	23	17.85	4	9003	WOOMERA	11624 5	YK	3043
	11	27	18	41	46.9188	1	.5	38	57.458	7	31	26.20	4	9003	WOOMERA	11624 7	YK	2266
	11	29	17	27	29.9732	1	10	35	56.367	-27	11	50.00	4	9003	WOOMERA	11653 4	DU	2267
	11	29	17	27	37.9732	1	10	43	37.583	-29	1	26.92	4	9003	WOOMERA	11653 8	DU	2268
	12	2	0	52	9.9843	1	12	56	41.072	-84	4	53.19	4	9002	OLIFANTS	10077 4	PB	5725
	12	2	0	52	17.9846	1	13	37	54.013	-83	26	4.95	4	9002	OLIFANTS	10077 5	PB	5726
	12	2	16	24	51.4483	1	10	58	51.139	-21	33	8.00	4	9003	WOOMERA	11672 1	BZ	4907
	12	2	16	24	53.4483	1	11	0	13.088	-21	52	46.67	4	9003	WOOMERA	11672 2	BZ	4908
	12	3	1	2	47.6400	1	3	27	12.701	-28	54	8.48	4	9002	OLIFANTS	10095 6	KA	5727
	12	3	1	2	55.6400	1	3	26	5.552	-31	6	43.72	4	9002	OLIFANTS	10095 8	KA	5728
	12	3	16	40	48.0867	1	12	20	4.122	-50	1	54.14	4	9003	WOOMERA	11686 5	BZ	4909
	12	3	16	40	52.0863	1	12	24	2.003	-50	13	9.80	4	9003	WOOMERA	11686 6	BZ	4910
	12	3	18	24	21.4601	1	2	26	46.479	-39	43	37.57	4	9003	WOOMERA	11688 1	BZ	4911
	12	3	18	24	37.4595	1	2	19	42.119	-42	46	52.48	4	9003	WOOMERA	11688 5	BZ	6578
	12	3	23	33	32.4060	1	10	57	3.549	-40	25	0.31	4	9002	OLIFANTS	10105 7	WS	5729
	12	3	23	33	40.4059	1	11	4	1.903	-41	27	27.45	4	9002	OLIFANTS	10105 9	WS	5730
	12	4	1	17	38.1685	1	2	30	54.978	-33	51	29.59	4	9002	OLIFANTS	10114 3	KA	5731
	12	4	1	17	46.1684	1	2	28	41.861	-35	26	26.86	4	9002	OLIFANTS	10114 5	KA	5732
	12	4	16	53	36.6971	1	9	21	18.671	-65	50	59.89	4	9003	WOOMERA	11699 2	SC	4912
	12	4	16	53	44.6967	1	9	40	15.867	-67	3	27.05	4	9003	WOOMERA	11699 6	SC	4913
	12	5	17	8	9.0324	1	3	44	41.797	-77	49	11.01	4	9003	WOOMERA	11714 1	KA	4917
	12	5	17	8	13.0324	1	3	41	41.662	-78	49	56.72	4	9003	WOOMERA	11714 3	KA	4918

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1962	12	7	0	15	21.3056	1	2	10	49.111	-52	58	55.94	4	9002	OLIFANTS	10148	4	KA	5733
	12	7	0	15	25.3059	1	2	8	52.566	-53	55	49.89	4	9002	OLIFANTS	10148	5	KA	5734
	12	7	15	50	33.5630	1	10	20	27.419	-47	41	18.42	4	9003	WOOMERA	11741	3	SC	4914
	12	7	15	50	39.5629	1	10	27	59.641	-48	26	25.11	4	9003	WOOMERA	11741	6	SC	6579
	12	7	17	37	11.4472	1	0	34	45.142	-57	16	48.35	4	9003	WOOMERA	11747	3	KA	4916
	12	9	16	18	37.7394	1	2	40	34.935	-67	46	16.72	4	9003	WOOMERA	11775	6	KA	4919
	12	9	16	18	41.7395	1	2	38	1.896	-68	53	20.96	4	9003	WOOMERA	11775	8	KA	4920
	12	10	16	32	35.3834	1	1	18	16.049	-51	26	8.30	4	9003	WOOMERA	11791	1	NG	4921
	12	11	15	2	18.1956	1	10	42	23.064	-55	55	56.70	4	9003	WOOMERA	11805	4	NG	4922
	12	11	15	2	22.1955	1	10	47	39.590	-56	7	15.06	4	9003	WOOMERA	11805	5	NG	4923
	12	13	15	29	38.3963	1	1	31	45.255	-66	14	12.06	4	9003	WOOMERA	11842	5	NG	4924
	12	13	15	29	44.3962	1	1	26	29.077	-67	47	43.33	4	9003	WOOMERA	11842	8	NG	4925
	12	14	15	43	30.3485	1	0	35	6.250	-49	12	10.04	4	9003	WOOMERA	11860	3	NG	4926
	12	14	15	43	38.3483	1	0	30	10.600	-50	52	29.48	4	9003	WOOMERA	11860	5	NG	4927
	12	14	15	45	38.9125	1	22	10	27.113	-69	22	9.56	4	9003	WOOMERA	11861	2	KA	4928
	12	14	15	45	54.9122	1	21	41	9.373	-70	26	47.50	4	9003	WOOMERA	11861	6	KA	6580
	12	15	14	13	23.4634	1	10	18	12.633	-60	7	0.18	4	9003	WOOMERA	11876	2	KA	4930
	12	15	14	13	39.4630	1	10	40	53.295	-60	22	21.26	4	9003	WOOMERA	11876	6	LE	6581
	12	16	14	27	4.3374	1	7	3	33.367	-81	50	42.32	4	9003	WOOMERA	11892	3	LE	4932
	12	16	14	27	6.3374	1	7	15	21.813	-82	4	7.59	4	9003	WOOMERA	11892	4	LE	4933
	12	18	13	9	46.8525	1	9	17	35.597	-42	9	43.15	4	9003	WOOMERA	11903	1	BZ	4934
	12	18	13	10	2.8522	1	9	32	22.255	-43	36	39.07	4	9003	WOOMERA	11903	5	BZ	4935
	12	18	14	56	42.5699	1	21	30	0.333	-67	49	34.21	4	9003	WOOMERA	11908	4	BZ	5162
	12	19	13	23	44.6606	1	8	38	12.608	-62	44	0.35	4	9003	WOOMERA	11922	1	BZ	5163
	12	19	13	23	52.6605	1	8	53	29.399	-63	13	54.84	4	9003	WOOMERA	11922	5	BZ	5164
	12	20	13	36	38.8832	1	2	29	52.184	-60	11	28.96	4	9003	WOOMERA	11944	2	BZ	6494
	12	20	13	36	48.8832	1	2	34	7.215	-63	40	32.34	4	9003	WOOMERA	11944	7	BZ	5165
	12	21	12	6	23.3603	1	8	37	8.080	-28	30	7.35	4	9003	WOOMERA	11964	3	BZ	5166
	12	21	12	6	47.3589	1	8	52	51.040	-31	10	0.21	4	9003	WOOMERA	11964	9	BZ	5167
	12	22	12	18	15.0129	1	6	8	45.860	-16	28	22.85	4	9003	WOOMERA	11984	6	WS	5168
	12	22	12	18	21.0128	1	6	14	12.916	-18	11	48.95	4	9003	WOOMERA	11984	9	WS	5169
	12	22	14	2	45.3545	1	23	58	57.432	-15	18	32.21	4	9003	WOOMERA	11990	6	WS	5170
	12	22	14	6	49.3492	1	22	3	17.328	-60	21	50.20	4	9003	WOOMERA	11991	2	WS	5171
	12	22	14	6	53.3492	1	21	58	57.438	-60	54	2.37	4	9003	WOOMERA	11991	3	WS	5172
	12	23	13	53	15.7196	1	6	22	25.559	87	48	58.71	4	9006	NAIN TAL	5836	6	NG	6576
	12	23	13	53	23.7199	1	5	26	52.721	86	28	41.18	4	9006	NAIN TAL	5836	8	NG	6577
	12	24	0	17	27.3546	1	6	2	50.693	70	10	28.10	4	9010	JUPITER	8130	2	SS	6084
	12	24	2	1	4.7282	1	4	33	56.980	59	23	49.29	4	9001	ORGAN PASS	8611	5	PB	7911
	12	24	2	1	10.7281	1	4	32	42.740	57	33	38.64	4	9001	ORGAN PASS	8611	8	PB	4890
	12	24	5	29	22.2051	1	7	29	5.297	79	41	51.44	4	9012	MAUI	8493	3	KA	4901
	12	24	5	29	28.2050	1	7	16	15.204	79	1	26.90	4	9012	MAUI	8493	6	KA	4902
	12	24	10	41	28.3850	1	22	42	27.632	18	22	18.57	4	9005	TOKYO	7207	6	PB	4891
	12	24	10	41	44.3852	1	22	55	36.637	14	46	28.98	4	9005	TOKYO	7207	10	NG	4892
	12	24	14	9	43.3256	1	0	57	9.381	51	55	43.50	4	9006	NAIN TAL	5850	7	NG	4895
	12	24	14	9	45.3259	1	0	59	36.206	51	18	28.40	4	9006	NAIN TAL	5850	8	KA	4896

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.	MS	OBS.NO.
1962	12	25	11	11	20.4769	1	4	22	37.329	34	53	33.05	4	9003	WOOMERA	12015 5	KA	5173
	12	25	11	11	28.4766	1	4	26	8.743	33	48	59.98	4	9003	WOOMERA	12015 7	KA	5174
	12	25	12	58	15.2722	1	23	59	22.067	0	45	38.23	4	9003	WOOMERA	12019 8	KA	5175
	12	26	12	48	54.1434	1	10	11	45.202	77	53	42.30	4	9006	NAIN TAL	5870 4	CB	4897
	12	26	12	49	6.1436	1	9	37	40.397	77	52	28.08	4	9006	NAIN TAL	5870 7	CB	4898
	12	26	12	55	57.5970	1	4	44	43.347	- 3	13	43.49	4	9006	NAIN TAL	5871 5	KA	4899
	12	26	12	56	5.5970	1	4	44	43.075	- 4	32	38.01	4	9006	NAIN TAL	5871 7	KA	4900
	12	28	4	42	33.3971	1	4	36	24.465	58	8	51.63	4	9012	MAUI	8525 5	WS	4903
	12	28	4	42	41.3971	1	4	34	57.414	56	10	40.04	4	9012	MAUI	8525 9	WS	4904
	12	28	18	54	30.2428	1	4	23	27.786	-89	57	42.35	4	9002	OLIFANTS	10375 13	WS	7093
	12	29	12	8	48.0487	1	23	15	58.265	3	38	48.89	4	9003	WOOMERA	12070 3	WS	4905
	12	29	12	9	0.0485	1	23	15	31.182	1	45	39.76	4	9003	WOOMERA	12070 6	WS	4906
	12	29	12	15	30.6714	1	18	46	19.480	-73	26	1.56	4	9003	WOOMERA	12071 4	SC	5176

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1961	8	5	8	54	18.0737	1	3	35	16.622	- 6	19	30.29	4	9010	JUPITER	4175	4	CA	136
	8	6	9	9	24.7576	1	2	38	51.430	15	47	30.10	4	9010	JUPITER	4197	5	SD	114
	8	6	9	9	26.7578	1	2	40	29.468	16	26	35.91	4	9010	JUPITER	4197	6	SD	115
	8	7	0	46	24.7821	10	0	53	0.508	53	56	31.30	4	9008	SHIRAZ	4505	19	HY	112
	8	7	0	46	26.7820	10	0	54	59.838	54	36	40.11	4	9008	SHIRAZ	4505	20	HY	836
	8	7	14	34	39.3700	.3	22	18	0.650	44	33	24.90	4	9012	MAUI	4179	4	HY	118
	8	7	14	34	43.3702	.3	22	18	29.868	45	49	19.78	4	9012	MAUI	4179	6	HY	119
	8	7	23	13	43.6477	10	3	54	44.487	- 2	0	15.60	4	9008	SHIRAZ	4523	4	BW	132
	8	7	23	13	47.6478	10	3	56	39.000	- 1	16	56.33	4	9008	SHIRAZ	4523	5	BW	133
	8	8	9	38	40.6988	1	21	52	33.336	40	18	6.99	4	9010	JUPITER	4237	5	SY	134
	8	8	9	38	55.9342	1	21	51	29.461	45	1	32.03	4	9010	JUPITER	4237	10	SY	839
	8	8	13	4	18.3153	.3	4	28	7.062	24	34	25.39	4	9012	MAUI	4192	9	BW	144
	8	8	13	4	20.3155	.3	4	29	10.504	24	53	57.44	4	9012	MAUI	4192	10	BW	145
	8	9	23	43	50.9238	10	2	52	5.024	43	39	21.05	4	9008	SHIRAZ	4559	2	SY	134
	8	9	23	44	28.9259	10	3	41	59.201	51	38	0.09	4	9008	SHIRAZ	4559	16	SY	135
	8	10	8	22	53.5741	1	3	32	19.284	49	26	8.03	4	9010	JUPITER	4262	6	YK	140
	8	10	8	22	57.5744	1	3	37	17.677	50	7	38.91	4	9010	JUPITER	4262	7	YK	141
	8	11	8	37	48.3191	1	1	19	56.083	74	45	47.38	4	9010	JUPITER	4294	3	BW	142
	8	11	8	37	52.3196	1	1	29	42.683	75	27	44.29	4	9010	JUPITER	4294	4	BW	143
	8	12	3	41	46.6148	1	1	46	31.533	60	7	5.81	4	9004	SAN FERNAN	4120	4	HY	447
	8	12	3	42	0.6189	1	2	14	15.900	63	30	37.69	4	9004	SAN FERNAN	4120	11	HY	1519
	8	12	7	6	23.4756	1	4	25	56.439	23	48	26.31	4	9010	JUPITER	4316	6	SD	116
	8	12	7	6	27.4755	1	4	28	0.539	24	18	50.72	4	9010	JUPITER	4316	7	SD	117
	8	13	0	27	53.3863	10	19	22	8.166	53	47	21.91	4	9008	SHIRAZ	4618	6	SD	458
	8	13	0	27	55.3864	10	19	20	51.964	54	9	8.21	4	9008	SHIRAZ	4618	7	SD	1520
	8	14	4	10	56.5890	1	19	39	57.092	58	37	45.74	4	9004	SAN FERNAN	4146	18	BW	131
	8	15	18	15	8.2966	1	19	25	44.281	48	58	53.89	4	9005	TOKYO	3701	4	KA	1424
	8	15	18	15	16.2967	1	19	20	52.966	50	39	53.90	4	9005	TOKYO	3701	5	KA	1425
	8	17	1	23	2.8216	1	4	5	14.806	24	47	52.42	4	9004	SAN FERNAN	4156	11	SD	448
	8	17	1	23	10.8221	1	4	10	16.368	25	39	56.09	4	9004	SAN FERNAN	4156	13	SD	449
	8	17	3	9	29.0234	1	16	26	50.503	85	7	15.07	4	9004	SAN FERNAN	4160	9	SD	450
	8	17	3	9	37.0264	1	15	7	2.914	85	18	33.97	4	9004	SAN FERNAN	4160	11	SD	451
	8	18	1	38	31.8065	1	5	0	32.933	42	55	2.30	4	9004	SAN FERNAN	4176	20	HY	452
	8	18	1	38	33.8073	1	5	2	10.695	43	0	42.09	4	9004	SAN FERNAN	4176	21	HY	453
	8	18	3	23	39.2991	1	17	36	23.067	68	6	38.18	4	9004	SAN FERNAN	4179	18	HY	454
	8	18	3	23	45.2994	1	17	25	57.815	68	56	0.22	4	9004	SAN FERNAN	4179	21	HY	455
	8	18	17	14	19.1192	1	16	1	54.696	79	18	3.74	4	9005	TOKYO	3742	14	SD	456
	8	18	17	14	23.1190	1	15	45	24.637	79	30	30.37	4	9005	TOKYO	3742	15	SD	457
	8	19	22	38	16.5657	10	16	32	1.915	74	57	34.98	4	9008	SHIRAZ	4755	6	HY	113
	9	3	17	0	56.6173	1	23	43	5.691	-55	26	32.52	4	9002	OLIFANTS	4317	4	LE	917
	9	3	17	1	8.9084	1	23	35	28.480	-53	10	21.46	4	9002	OLIFANTS	4317	7	LE	918
	9	3	17	3	4.8623	1	22	52	56.083	-29	3	47.89	4	9002	OLIFANTS	4318	4	LE	919
	9	3	17	3	8.9538	1	22	52	5.145	-28	11	22.92	4	9002	OLIFANTS	4318	5	LE	920
	9	3	18	46	10.6924	1	14	12	33.803	-39	27	54.31	4	9002	OLIFANTS	4322	5	PG	1506
	9	3	18	46	14.7671	1	14	15	37.441	-39	1	15.80	4	9002	OLIFANTS	4322	6	PG	921

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME	NO.	MS	OBS.NO.
1961	9	3	23	56	14.0576	1	17	41	38.029	-68	18	19.01	4	9011	VILLA DOLO	3430	3	VD	1793
	9	3	23	56	22.0574	1	17	57	52.675	-66	11	53.38	4	9011	VILLA DOLO	3430	7	VD	1794
	9	4	17	14	7.7259	1	0	47	7.288	-81	26	7.45	4	9002	OLIFANTS	4341	4	LE	922
	9	4	17	18	24.8466	1	21	49	45.282	-15	41	43.64	4	9002	OLIFANTS	4342	6	PG	924
	9	4	17	18	37.1379	1	21	49	35.108	-12	21	52.30	4	9002	OLIFANTS	4342	9	PG	925
	9	4	19	2	11.7197	1	14	58	7.313	-11	41	58.32	4	9002	OLIFANTS	4347	3	MN	926
	9	5	0	11	20.7219	1	16	2	58.967	-35	58	26.77	4	9011	VILLA DOLO	3448	3	BO	1708
	9	5	0	11	26.7221	1	16	10	7.146	-34	20	11.90	4	9011	VILLA DOLO	3448	6	BO	1709
	9	5	0	13	15.7897	1	21	47	25.540	-69	23	28.87	4	9007	AREQUIPA	4207	7	LE	1697
	9	5	17	34	24.3995	10	20	31	32.126	-16	56	18.92	4	9002	OLIFANTS	4365	5	LE	928
	9	5	17	34	36.6868	10	20	34	30.075	19	24	7.18	4	9002	OLIFANTS	4365	8	LE	929
	9	6	0	26	29.7847	1	15	35	14.005	- 8	1	55.17	4	9011	VILLA DOLO	3465	3	VD	2780
	9	6	10	49	12.9745	1	15	16	47.837	-16	55	27.33	4	9003	WOOMERA	6031	4	LE	1692
	9	6	10	49	16.9746	1	15	19	55.965	-16	0	24.25	4	9003	WOOMERA	6031	6	LE	1693
	9	6	17	49	23.4541	1	18	52	42.012	32	39	56.19	4	9002	OLIFANTS	4383	4	LE	930
	9	6	17	49	27.5683	1	18	54	29.265	33	19	6.26	4	9002	OLIFANTS	4383	5	LE	931
	9	7	0	43	41.6687	1	16	8	34.327	-26	45	36.90	4	9007	AREQUIPA	4223	8	LE	1698
	9	7	13	12	11.6340	1	14	12	14.664	64	4	53.96	4	9005	TOKYO	3836	4	LE	4055
	9	7	13	12	27.6351	1	13	49	30.713	65	59	41.75	4	9005	TOKYO	3836	6	LE	1695
	9	7	18	3	32.4462	1	17	3	5.820	32	35	52.23	4	9002	OLIFANTS	4406	5	LE	932
	9	7	21	50	56.2523	1	3	18	26.729	76	57	14.27	4	9004	SAN FERNAN	4254	6	PG	1781
	9	8	13	25	5.7171	1	15	15	32.541	42	21	30.63	4	9005	TOKYO	3842	5	BO	3125
	9	8	23	35	32.0541	1	22	17	19.414	-14	12	44.05	4	9009	CURACAO	3417	5	MN	1700
	9	8	23	35	40.0540	1	22	19	34.409	-12	34	22.36	4	9009	CURACAO	3417	7	MN	2169
	9	9	10	6	2.1894	1	22	48	55.502	- 0	57	7.04	4	9005	TOKYO	3848	4	VD	1290
	9	9	17	0	58.3207	1	18	56	7.741	21	43	2.83	4	9008	SHIRAZ	4972	7	VD	1789
	9	9	17	1	15.3160	1	19	6	9.899	28	11	30.56	4	9008	SHIRAZ	4972	9	VD	1790
	9	10	1	39	21.2992	1	18	55	10.199	19	21	4.93	4	9010	JUPITER	4530	6	BO	1704
	9	10	1	39	48.9926	1	19	12	26.570	29	57	24.03	4	9010	JUPITER	4530	12	BO	1705
	9	11	10	34	37.7331	.3	20	54	16.828	13	46	24.52	4	9005	TOKYO	3874	8	BO	1854
	9	11	10	35	13.7332	.3	21	27	16.752	24	10	41.71	4	9005	TOKYO	3874	17	BO	1855
	9	11	15	43	44.9686	1	21	37	50.143	0	4	33.36	4	9008	SHIRAZ	4994	5	LE	1699
	9	11	17	30	53.5795	1	15	23	34.062	40	58	44.69	4	9008	SHIRAZ	4998	3	RO	1857
	9	11	17	30	55.5793	1	15	22	56.136	41	26	23.79	4	9008	SHIRAZ	4998	4	RO	1858
	9	12	0	10	37.3607	1	14	42	11.032	2	21	39.59	4	9007	AREQUIPA	4240	4	TM	1914
	9	12	0	18	51.9738	1	16	32	52.430	12	26	47.42	4	9009	CURACAO	3460	4	MN	2211
	9	12	0	18	55.9751	1	16	33	58.443	13	47	23.48	4	9009	CURACAO	3460	6	MN	1861
	9	12	0	54	31.6618	1	10	12	42.354	43	6	28.96	4	9008	SHIRAZ	5005	4	RO	1859
	9	12	0	54	35.6618	1	10	11	0.272	42	28	41.53	4	9008	SHIRAZ	5005	5	RO	1860
	9	12	10	49	4.0453	.3	18	50	41.427	27	12	44.64	4	9005	TOKYO	3881	4	VD	1291
	9	12	10	50	33.7391	.3	20	23	47.905	58	30	54.17	4	9005	TOKYO	3881	24	VD	1292
	9	12	15	58	0.1271	1	20	2	16.542	7	51	47.10	4	9008	SHIRAZ	5010	16	VD	3114
	9	12	15	58	2.1272	1	20	3	44.897	8	30	16.53	4	9008	SHIRAZ	5010	17	VD	3115
	9	13	0	33	24.9205	1	15	11	13.770	18	9	35.05	4	9009	CURACAO	3472	4	MN	1862
	9	13	0	33	28.9208	1	15	11	25.708	19	6	28.49	4	9009	CURACAO	3472	5	MN	1863

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1961	9	13	0	36	18.9205	1	19	59	32.858	3	57	18.24	4	9010	JUPITER	4559	8	PT	1873
	9	13	0	36	48.5456	1	20	21	19.555	13	31	45.53	4	9010	JUPITER	4559	18	PT	1874
	9	13	11	2	54.7949	.3	16	41	10.424	21	5	48.71	4	9005	TOKYO	3885	4	BO	1856
	9	13	11	2	58.7951	.3	16	41	20.239	22	16	49.69	4	9005	TOKYO	3885	5	BO	2210
	9	13	19	41	52.6513	1	20	57	55.113	15	7	4.22	4	9004	SAN FERNAN	4302	11	MN	1887
	9	13	19	42	0.6517	1	21	4	59.649	17	16	59.08	4	9004	SAN FERNAN	4302	13	MN	1888
	9	14	6	1	15.2159	1	16	5	2.068	26	2	13.05	4	9012	MAUI	4388	9	YN	1903
	9	14	6	1	23.2159	1	16	5	57.735	28	37	8.00	4	9012	MAUI	4388	13	YN	1904
	9	15	6	16	25.4234	1	14	45	10.963	35	38	22.17	4	9012	MAUI	4403	5	GN	1879
	9	15	6	16	29.4234	1	14	44	34.360	36	32	48.29	4	9012	MAUI	4403	7	GN	1880
	9	15	20	11	6.1589	1	16	45	48.256	44	4	57.34	4	9004	SAN FERNAN	4313	12	YN	1891
	9	15	20	11	12.1590	1	16	46	43.817	46	13	21.06	4	9004	SAN FERNAN	4313	15	YN	1892
	9	15	23	31	5.5696	1	15	42	5.290	25	1	17.52	4	9009	CURACAO	3510	5	MN	1869
	9	15	23	31	37.5707	1	15	49	6.295	35	6	45.28	4	9009	CURACAO	3510	10	MN	3533
	9	16	6	30	50.7351	10	14	8	40.743	31	39	24.52	4	9012	MAUI	4412	6	BO	3534
	9	16	6	31	2.7352	10	14	6	29.753	33	39	57.27	4	9012	MAUI	4412	9	BO	1882
	9	16	19	8	51.1687	1	5	18	15.318	56	16	0.41	4	9005	TOKYO	3904	5	VD	2140
	9	16	19	9	12.4362	1	5	33	54.194	48	9	34.10	4	9005	TOKYO	3904	11	VD	2141
	9	17	0	21	6.1603	1	8	48	3.173	45	11	54.87	4	9008	SHIRAZ	5078	5	LE	1901
	9	17	0	21	12.1604	1	8	45	39.434	43	49	15.20	4	9008	SHIRAZ	5078	8	LE	1902
	9	17	10	15	22.6251	1	15	45	21.461	36	25	56.59	4	9005	TOKYO	3908	3	VD	4053
	9	17	10	15	58.6257	1	15	41	6.008	47	51	56.95	4	9005	TOKYO	3908	12	VD	2142
	9	18	9	15	30.5081	1	8	0	33.978	45	19	45.02	4	9010	JUPITER	4616	6	GN	1875
	9	18	9	15	42.5085	1	7	57	48.929	41	57	34.71	4	9010	JUPITER	4616	9	GN	1876
	9	19	5	27	54.8373	.3	14	0	13.491	32	52	32.38	4	9012	MAUI	4439	5	YN	1885
	9	19	5	28	23.8366	.3	13	55	15.268	39	0	34.43	4	9012	MAUI	4439	13	YN	1886
	9	19	9	30	30.6761	1	5	54	35.644	37	29	11.33	4	9010	JUPITER	4620	5	GN	1877
	9	19	9	30	40.6764	1	5	58	12.448	33	33	51.54	4	9010	JUPITER	4620	10	GN	1878
	9	19	9	35	45.2915	1	4	24	35.616	12	52	27.39	4	9009	CURACAO	3558	7	MN	1871
	9	19	9	35	51.2941	1	4	28	36.637	10	22	46.86	4	9009	CURACAO	3558	10	MN	1872
	9	21	8	17	19.2130	1	7	45	57.940	42	20	49.16	4	9009	CURACAO	3570	8	TM	1661
	9	21	8	17	47.2218	1	7	46	5.080	35	15	27.80	4	9009	CURACAO	3570	15	TM	1662
	9	21	9	59	5.7933	1	1	11	51.828	13	1	23.87	4	9010	JUPITER	4632	4	TM	1665
	9	21	9	59	47.0753	1	1	40	6.475	2	17	8.04	4	9010	JUPITER	4632	15	TM	1666
	9	21	18	35	30.1417	1	2	3	38.556	25	41	54.15	4	9005	TOKYO	3932	6	PI	1656
	9	21	18	35	34.1419	1	2	7	51.766	24	25	31.04	4	9005	TOKYO	3932	7	PI	1657
	9	22	8	32	2.0972	1	5	42	22.363	41	56	49.32	4	9009	CURACAO	3579	12	TM	1663
	9	22	8	32	6.0985	1	5	44	11.774	40	35	3.27	4	9009	CURACAO	3579	14	TM	1664
	9	24	9	8	32.1454	1	5	30	32.165	16	45	18.70	4	9007	AREQUIPA	4400	4	PI	3532
	9	24	9	8	38.1453	1	5	34	17.970	14	46	8.46	4	9007	AREQUIPA	4400	7	PI	1659
	9	27	2	59	17.5981	10	1	52	43.725	-23	24	33.61	4	9002	OLIFANTS	4738	10	TM	2785
	9	27	2	59	21.6486	10	1	52	47.444	-24	47	22.75	4	9002	OLIFANTS	4738	11	TM	1913
	10	1	2	11	46.8829	.3	0	52	27.308	-40	46	2.61	4	9002	OLIFANTS	4803	11	FI	3163
	10	1	2	14	33.4679	10	21	59	27.188	-81	53	52.59	4	9002	OLIFANTS	4804	9	MJ	3145
	10	1	2	14	37.4697	10	21	42	9.206	-82	18	32.38	4	9002	OLIFANTS	4804	10	MJ	3146

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1961	10	1	17	48	2.1947	1	8	21	17.673	-36	3	24.11	4	9003	WOOMERA	6332	6	MJ	3151
	10	1	17	48	6.0918	1	8	24	55.807	-36	37	4.25	4	9003	WOOMERA	6332	8	MJ	3152
	10	1	19	32	4.3388	1	23	57	28.292	-31	25	44.19	4	9003	WOOMERA	6337	4	SV	3164
	10	1	19	32	6.2866	1	23	56	52.218	-31	51	12.32	4	9003	WOOMERA	6337	5	SV	3515
	10	2	0	42	18.9013	.3	8	27	6.569	-35	40	36.21	4	9002	OLIFANTS	4820	9	KA	3147
	10	2	0	42	22.9023	3	8	30	2.582	-36	10	40.62	4	9002	OLIFANTS	4820	10	KA	4675
	10	2	2	27	31.4489	.3	23	12	30.857	-52	20	43.18	4	9002	OLIFANTS	4827	5	SY	3149
	10	2	2	27	35.4492	.3	23	10	8.158	-53	7	59.74	4	9002	OLIFANTS	4827	6	SY	3150
	10	2	18	2	3.7520	1	7	1	32.064	-56	3	4.12	4	9003	WOOMERA	6351	3	FI	3153
	10	2	18	2	34.9508	1	7	59	6.733	-60	16	11.70	4	9003	WOOMERA	6351	17	FI	3154
	10	3	7	54	9.2652	.3	2	59	13.054	-81	18	2.36	4	9011	VILLA DOLO	3741	7	FI	3157
	10	3	7	54	13.2652	.3	3	8	56.295	-82	17	47.31	4	9011	VILLA DOLO	3741	8	FI	4021
	10	4	18	31	40.8482	1	22	11	5.032	-71	25	29.36	4	9003	WOOMERA	6387	5	KA	3155
	10	4	18	31	52.5416	1	21	47	31.645	-73	18	48.74	4	9003	WOOMERA	6387	8	KA	3156
	10	5	18	45	19.4645	1	22	28	15.757	-50	32	17.85	4	9003	WOOMERA	6401	5	FI	4032
	10	5	18	45	27.2556	1	22	22	49.625	-51	57	21.98	4	9003	WOOMERA	6401	7	FI	3514
	10	25	2	9	8.5942	10	3	53	19.993	64	20	20.49	4	9001	ORGAN PASS	4082	4	KA	3159
	10	25	2	9	12.5943	10	3	48	24.925	63	40	10.97	4	9001	ORGAN PASS	4082	6	KA	3160
	10	28	2	51	37.3295	1	16	27	56.534	53	19	35.62	4	9001	ORGAN PASS	4120	4	MJ	3161
	10	28	2	51	41.3282	1	16	32	27.781	53	10	8.07	4	9001	ORGAN PASS	4120	6	MJ	3162
	10	31	10	49	51.8587	1	1	58	8.282	- 2	56	45.70	4	9003	WOOMERA	6580	3	KA	3168
	10	31	10	49	57.7084	1	2	2	13.237	- 4	21	26.26	4	9003	WOOMERA	6580	6	KA	3169
	11	1	0	35	46.3692	3	23	24	6.879	16	11	52.82	4	9007	AREQUIPA	4676	7	RO	4622
	11	1	0	40	42.2100	1	23	52	27.385	- 1	7	36.55	4	9011	VILLA DOLO	3887	3	YN	7688
	11	1	0	40	48.2102	1	23	57	7.576	- 3	7	37.30	4	9011	VILLA DOLO	3887	6	YN	5037
	11	1	17	54	53.6850	3	22	50	13.553	37	32	46.74	4	9002	OLIFANTS	5169	3	VD	4311
	11	1	18	0	51.9772	3	3	37	6.990	-48	59	17.31	4	9002	OLIFANTS	5171	4	VD	4314
	11	1	18	0	59.9773	3	3	45	14.305	-49	43	2.91	4	9002	OLIFANTS	5171	6	VD	4315
	11	2	0	35	4.4432	3	16	16	27.862	38	37	31.51	4	9010	JUPITER	4956	6	PG	4363
	11	2	0	35	8.4438	3	16	19	9.314	38	15	26.48	4	9010	JUPITER	4956	7	PG	4364
	11	2	16	13	6.8667	3	17	52	16.365	- 5	14	4.73	4	9008	SHIRAZ	5747	3	MN	5030
	11	2	16	13	22.8666	3	17	58	42.392	- 7	46	43.39	4	9008	SHIRAZ	5747	7	MN	5031
	11	3	14	40	33.7242	3	19	24	34.230	44	28	57.96	4	9008	SHIRAZ	5761	11	MN	5032
	11	3	14	40	37.7247	3	19	29	46.868	43	11	42.16	4	9008	SHIRAZ	5761	13	MN	5033
	11	3	18	23	50.6860	3	19	36	17.448	16	33	13.15	4	9002	OLIFANTS	5199	4	PG	4316
	11	3	18	23	58.6860	3	19	36	58.565	15	10	19.39	4	9002	OLIFANTS	5199	6	PG	4317
	11	3	18	25	53.5032	3	19	44	10.903	-12	2	24.01	4	9002	OLIFANTS	5200	4	PG	4318
	11	3	18	25	57.5032	3	19	44	19.191	-13	15	46.01	4	9002	OLIFANTS	5200	6	PG	4319
	11	4	18	43	57.1932	3	17	10	31.586	-63	46	51.05	4	9002	OLIFANTS	5209	2	PG	4320
	11	5	15	9	50.2594	3	17	21	53.797	4	22	14.26	4	9008	SHIRAZ	5802	5	MN	5034
	11	5	15	9	54.2595	3	17	24	4.812	3	35	30.66	4	9008	SHIRAZ	5802	6	MN	6132
	11	7	17	37	57.1385	3	18	50	21.922	-21	21	50.97	4	9002	OLIFANTS	5234	3	PG	4321
	11	7	17	38	13.1386	3	18	49	29.381	-26	22	24.43	4	9002	OLIFANTS	5234	7	PG	4322
	11	9	15	28	4.2016	1	13	18	18.557	9	51	21.89	4	9012	MAUI	4760	19	RO	5046
	11	9	18	35	31.1638	3	13	5	38.331	-69	56	26.70	4	9003	WOOMERA	6695	8	MN	4328

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME	NO.	MS	OBS.NO.
1961	11	9	18	35	37.0108	3	12	57	6.534	-68	55	6.32	4	9003	WOOMERA	6695	11	MN	4329
	11	10	12	13	50.0850	3	11	47	11.233	-23	2	50.58	4	9001	ORGAN PASS	4229	4	VD	4305
	11	10	12	15	46.0234	3	12	34	59.333	- 5	27	37.34	4	9001	ORGAN PASS	4230	4	VD	4306
	11	10	12	18	13.9869	3	13	45	44.566	16	26	55.59	4	9001	ORGAN PASS	4231	3	VD	4307
	11	10	12	18	21.9869	3	13	49	46.720	17	26	45.18	4	9001	ORGAN PASS	4231	5	VD	4308
	11	12	17	36	51.7050	3	11	10	38.715	-13	4	52.10	4	9003	WOOMERA	6752	2	MN	4330
	11	12	17	36	59.5058	3	11	9	44.694	-11	44	51.65	4	9003	WOOMERA	6752	4	MN	4331
	11	12	19	39	59.9216	3	12	0	45.808	- 2	46	51.00	4	9005	TOKYO	4151	5	PI	4336
	11	12	19	40	9.5065	3	12	6	4.111	- 1	4	59.11	4	9005	TOKYO	4151	7	PI	7298
	11	13	9	13	8.9107	3	4	3	1.725	-56	59	36.80	4	9007	AREQUIPA	4719	3	RO	4623
	11	13	9	13	16.9104	3	4	11	12.623	-56	7	54.27	4	9007	AREQUIPA	4719	5	RO	4624
	11	13	9	16	39.5259	3	7	0	44.435	- 3	51	42.18	4	9007	AREQUIPA	4720	8	PT	4625
	11	13	9	16	47.5259	3	7	5	43.602	- 0	59	26.23	4	9007	AREQUIPA	4720	12	PT	4626
	11	13	9	23	54.4292	3	9	44	51.744	-14	27	24.03	4	9009	CURACAO	3889	3	PG	4359
	11	13	9	24	6.4390	3	9	51	16.208	-10	38	20.93	4	9009	CURACAO	3889	8	PG	4360
	11	13	19	54	2.9772	3	10	54	6.272	- 0	41	9.39	4	9005	TOKYO	4159	5	YN	4338
	11	13	19	54	7.7791	3	10	57	24.062	0	26	22.30	4	9005	TOKYO	4159	6	YN	5671
	11	14	7	41	30.8587	3	12	5	10.989	-59	38	10.25	4	9007	AREQUIPA	4731	8	PT	4627
	11	14	7	41	42.8588	3	11	59	46.997	-57	45	39.69	4	9007	AREQUIPA	4731	12	PT	4628
	11	14	7	46	33.8538	3	11	20	22.474	- 2	37	23.82	4	9007	AREQUIPA	4733	4	VD	4545
	11	14	7	46	45.8539	3	11	20	35.745	- 0	35	40.23	4	9007	AREQUIPA	4733	7	VD	4546
	11	15	7	55	16.3418	3	10	55	36.623	-78	18	39.61	4	9007	AREQUIPA	4748	9	RO	4629
	11	15	7	57	56.8688	10	10	21	52.417	-44	22	26.87	4	9007	AREQUIPA	4749	4	RO	4630
	11	15	7	58	8.8685	10	10	21	59.994	-41	5	31.67	4	9007	AREQUIPA	4749	7	RO	4631
	11	15	9	55	58.9027	3	10	22	51.004	- 6	9	41.94	4	9010	JUPITER	5103	5	VD	4549
	11	15	9	56	6.9057	3	10	27	43.602	- 4	6	3.28	4	9010	JUPITER	5103	9	VD	4550
	11	16	6	19	11.9186	1	15	51	16.272	-73	16	51.46	4	9011	VILLA DOLO	3999	5	GN	5043
	11	16	6	22	4.9365	1	11	21	33.454	-53	57	19.07	4	9011	VILLA DOLO	4000	4	PG	4559
	11	16	6	22	12.9357	.1	11	16	22.962	-52	15	45.84	4	9011	VILLA DOLO	4000	6	PG	6128
	11	16	8	6	6.0958	1	1	28	58.487	-42	5	37.52	4	9011	VILLA DOLO	4006	5	VD	4369
	11	16	8	6	10.0954	1	1	32	1.443	-41	50	28.57	4	9011	VILLA DOLO	4006	6	VD	4370
	11	16	8	8	5.9298	1	3	5	30.530	-28	43	24.26	4	9011	VILLA DOLO	4007	5	VD	4371
	11	16	8	8	13.9300	1	3	12	0.999	-27	20	46.90	4	9011	VILLA DOLO	4007	7	VD	4372
	11	16	8	12	14.6728	3	7	37	2.902	-48	42	44.84	4	9007	AREQUIPA	4753	17	BO	4632
	11	17	6	36	44.8985	1	9	42	55.856	-61	10	14.03	4	9011	VILLA DOLO	4023	5	VD	4373
	11	17	6	36	46.8988	1	9	42	15.846	-60	34	43.90	4	9011	VILLA DOLO	4023	6	VD	4374
	11	17	18	44	6.0916	3	1	49	14.233	-29	33	23.80	4	9003	WOOMERA	6790	10	MN	4332
	11	17	18	44	13.8775	3	1	53	43.693	-28	47	58.73	4	9003	WOOMERA	6790	12	MN	4333
	11	17	18	46	4.4141	3	2	57	25.922	-14	23	10.06	4	9003	WOOMERA	6791	5	PI	4334
	11	17	18	46	35.5582	3	3	14	47.961	- 9	12	8.60	4	9003	WOOMERA	6791	13	PI	4335
	11	18	8	40	58.0758	3	3	34	29.828	-16	13	10.58	4	9007	AREQUIPA	4768	3	VD	4547
	11	18	8	41	6.0758	3	3	38	17.502	-14	34	4.37	4	9007	AREQUIPA	4768	5	VD	4548
	11	18	8	49	47.0461	3	6	8	8.559	- 3	53	39.07	4	9009	CURACAO	3923	5	PG	4361
	11	18	8	49	53.0467	3	6	10	17.858	- 1	56	53.09	4	9009	CURACAO	3923	8	PG	4362
	11	18	8	52	52.8212	3	10	32	15.330	-13	58	25.13	4	9010	JUPITER	5135	5	VD	4553

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME	NO.	MS	OBS.NO.
1961	11	18	8	53	0.8199	3	10	35	59.637	-12	24	26.13	4	9010	JUPITER	5135	7	VD	4554
	11	18	8	57	3.2532	3	12	46	44.297	30	17	2.05	4	9010	JUPITER	5136	5	PG	4555
	11	18	8	57	7.2533	3	12	49	3.022	30	44	10.37	4	9010	JUPITER	5136	6	PG	4556
	11	19	9	7	46.9629	3	9	34	39.296	- 1	32	26.77	4	9010	JUPITER	5146	5	PG	4557
	11	19	9	7	50.9629	3	9	37	15.660	- 0	25	21.83	4	9010	JUPITER	5146	6	PG	4558
	11	19	17	28	0.7257	3	2	32	16.363	-53	6	47.28	4	9003	WOOMERA	6815	7	VD	9899
	11	20	5	33	44.5355	1	10	32	4.021	-55	24	54.64	4	9011	VILLA DOLO	4046	4	BO	4524
	11	20	5	33	52.5350	1	10	26	56.389	-53	36	22.78	4	9011	VILLA DOLO	4046	6	BO	4525
	11	20	9	24	20.2916	3	9	20	22.586	53	57	43.78	4	9010	JUPITER	5163	4	YN	5676
	11	20	9	24	26.2907	3	9	28	27.861	55	28	32.93	4	9010	JUPITER	5163	7	YN	4523
	11	21	16	13	0.9451	3	8	46	26.912	-33	34	49.45	4	9003	WOOMERA	6866	4	PG	4358
	11	22	6	3	8.7546	1	5	3	10.453	-52	18	33.98	4	9011	VILLA DOLO	4063	4	YN	4526
	11	22	16	25	53.1023	3	4	58	24.201	-63	3	47.23	4	9003	WOOMERA	6896	3	GN	4513
	11	22	16	26	0.8955	3	5	10	36.670	-60	55	57.60	4	9003	WOOMERA	6896	7	GN	4514
	11	24	15	6	12.7965	3	13	26	50.397	-75	25	33.20	4	9003	WOOMERA	6945	10	RO	4515
	11	24	15	6	16.6951	3	13	16	59.054	-75	18	5.73	4	9003	WOOMERA	6945	11	RO	4516
	11	24	15	7	31.6757	3	10	47	4.859	-67	25	21.31	4	9003	WOOMERA	6946	2	RO	4517
	11	24	16	52	53.3714	3	0	32	10.886	-37	21	42.87	4	9003	WOOMERA	6951	12	RO	4518
	11	25	15	20	34.7137	3	18	51	37.181	-82	9	51.64	4	9003	WOOMERA	6968	5	YN	4519
	11	25	15	22	28.4150	3	7	51	2.572	-74	43	22.20	4	9003	WOOMERA	6969	7	YN	4520
	11	25	15	22	44.0200	3	7	48	25.550	-70	32	3.80	4	9003	WOOMERA	6969	15	YN	4521
	11	28	3	54	28.3322	1	14	40	44.541	-79	14	59.74	4	9011	VILLA DOLO	4149	4	RO	4527
	11	28	3	54	36.3321	1	14	14	4.831	-79	37	9.01	4	9011	VILLA DOLO	4149	6	RO	4528
	11	28	3	56	57.9814	1	8	47	12.667	-59	55	56.59	4	9011	VILLA DOLO	4150	2	BO	4529
	11	28	3	57	5.9813	1	8	42	18.025	-57	53	20.50	4	9011	VILLA DOLO	4150	4	BO	4530
	11	29	4	10	37.0114	1	4	4	30.460	-79	44	54.75	4	9011	VILLA DOLO	4175	3	GN	4633
	11	29	4	10	41.0113	1	4	17	22.456	-78	56	42.74	4	9011	VILLA DOLO	4175	4	GN	4634
	12	1	13	15	17.1006	3	11	5	20.365	-67	44	18.20	4	9003	WOOMERA	7091	10	KA	7484
	12	1	13	15	24.9375	3	10	53	44.444	-67	2	8.39	4	9003	WOOMERA	7091	12	KA	7485
	12	1	13	17	7.5379	3	9	9	41.463	-52	14	48.99	4	9003	WOOMERA	7092	2	KA	7034
	12	1	13	17	15.3737	3	9	4	49.050	-50	48	21.78	4	9003	WOOMERA	7092	4	KA	7035
	12	1	15	1	46.7520	3	23	19	55.246	-46	26	28.68	4	9003	WOOMERA	7100	14	SD	7744
	12	1	15	1	50.6693	3	23	23	31.518	-46	9	47.37	4	9003	WOOMERA	7100	16	SD	7745
	12	3	13	45	15.2436	3	2	42	44.869	-81	3	33.41	4	9003	WOOMERA	7153	7	FC	7871
	12	3	13	45	26.9910	3	3	26	15.974	-78	59	3.59	4	9003	WOOMERA	7153	10	FC	7487
	12	5	3	50	31.7575	1	23	5	21.789	-38	11	2.20	4	9011	VILLA DOLO	4256	4	PB	7967
	12	5	3	50	39.7575	1	23	11	47.659	-37	21	52.48	4	9011	VILLA DOLO	4256	6	PB	7968
	12	5	12	27	35.7531	3	9	31	16.126	-65	28	8.21	4	9003	WOOMERA	7195	3	FI	7736
	12	5	12	27	51.4408	3	9	12	30.181	-63	14	22.90	4	9003	WOOMERA	7195	7	FI	7489
	12	5	14	14	7.4688	3	23	22	40.295	-38	42	36.13	4	9003	WOOMERA	7204	5	KA	7762
	12	5	14	14	15.2807	3	23	29	27.325	-37	45	9.44	4	9003	WOOMERA	7204	7	KA	7763
	12	6	12	41	1.3528	3	13	47	55.872	-81	56	29.06	4	9003	WOOMERA	7221	5	BW	7036
	12	6	12	41	24.8532	3	11	51	23.739	-82	52	42.83	4	9003	WOOMERA	7221	11	BW	8792
	12	6	12	43	36.2875	3	6	57	12.426	-58	37	42.34	4	9003	WOOMERA	7222	9	SD	7746
	12	6	12	43	46.0544	3	6	53	23.918	-55	53	18.58	4	9003	WOOMERA	7222	14	SD	7747

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1961	12	6	14	27	47.6127	3	22	49	53.562	-29	9	29.15	4	9003	WOOMERA	7229	7	SS	7835
	12	7	12	58	35.0159	3	4	3	51.115	-51	58	11.45	4	9003	WOOMERA	7253	17	FI	7497
	12	8	11	25	8.2143	3	8	39	36.155	-54	34	15.56	4	9003	WOOMERA	7274	3	SD	7490
	12	8	11	25	12.1318	3	8	36	42.515	-54	1	46.34	4	9003	WOOMERA	7274	4	SD	7491
	12	8	11	26	47.4413	3	7	45	40.193	-38	59	38.03	4	9003	WOOMERA	7275	7	BW	7038
	12	8	11	26	55.2786	3	7	42	47.572	-37	40	3.09	4	9003	WOOMERA	7275	9	BW	7039
	12	8	13	10	36.4938	3	22	6	5.838	-57	39	12.43	4	9003	WOOMERA	7284	5	SD	7493
	12	9	3	3	51.2571	1	23	45	5.005	-20	6	50.49	4	9011	VILLA DOLO	4305	4	FI	7969
	12	9	11	42	52.1214	3	6	45	19.438	-22	36	34.14	4	9003	WOOMERA	7308	2	BW	7044
	12	9	11	43	7.7945	3	6	42	58.255	-19	17	56.18	4	9003	WOOMERA	7308	6	BW	7045
	12	10	1	34	35.3459	1	5	29	50.279	-12	35	4.31	4	9011	VILLA DOLO	4323	4	SD	7605
	12	10	1	34	39.3454	1	5	30	6.818	-11	29	9.87	4	9011	VILLA DOLO	4323	5	SD	7606
	12	10	3	16	34.5942	1	22	31	11.066	-22	43	58.95	4	9011	VILLA DOLO	4329	5	FI	8801
	12	10	3	16	42.5942	1	22	35	20.628	-21	51	19.22	4	9011	VILLA DOLO	4329	7	FI	7970
	12	10	3	18	8.5039	1	23	19	24.275	-10	41	59.42	4	9011	VILLA DOLO	4330	2	CB	7914
	12	10	3	18	12.5039	1	23	21	24.360	-10	6	36.64	4	9011	VILLA DOLO	4330	3	CB	7915
	12	11	1	44	22.8898	1	20	59	19.957	-70	3	52.10	4	9011	VILLA DOLO	4352	3	FI	8802
	12	11	1	44	34.8896	1	21	23	57.796	-70	21	46.87	4	9011	VILLA DOLO	4352	6	FI	2357
	12	11	1	48	57.3076	1	3	39	54.344	-	5	39 14.56	4	9011	VILLA DOLO	4353	6	MJ	7972
	12	12	1	59	31.1276	1	22	6	33.462	-47	47	47.09	4	9011	VILLA DOLO	4379	3	MJ	7973
	12	12	1	59	43.1275	1	22	19	42.688	-46	36	45.26	4	9011	VILLA DOLO	4379	6	MJ	7974
	12	12	2	3	13.2589	1	1	37	25.994		1	51 2.13	4	9011	VILLA DOLO	4380	3	MJ	7975
	12	12	2	3	17.2610	1	1	40	5.300		2	54 57.47	4	9011	VILLA DOLO	4380	5	MJ	7976
	12	13	12	37	44.4398	3	22	23	33.904	-28	55	30.21	4	9003	WOOMERA	7349	7	KA	7494
	12	13	12	37	48.3449	3	22	26	22.496	-28	21	41.35	4	9003	WOOMERA	7349	8	KA	7495
	12	14	2	31	59.6264	3	23	39	59.111		11	14 51.57	4	9011	VILLA DOLO	4429	6	OD	8804
	12	14	11	6	50.5059	3	4	39	50.969	-62	1	14.34	4	9003	WOOMERA	7373	11	BW	7046
	12	14	11	7	2.2599	3	4	39	59.654	-58	20	50.64	4	9003	WOOMERA	7373	17	BW	7047
	12	15	11	20	50.1910	3	0	3	51.923	-62	55	22.51	4	9003	WOOMERA	7403	7	BW	7048
	12	15	11	20	56.0506	3	0	14	49.583	-61	44	7.35	4	9003	WOOMERA	7403	10	BW	7049
	12	16	1	12	19.4409	3	22	38	51.814	-33	39	16.96	4	9011	VILLA DOLO	4453	7	BW	7978
	12	17	1	24	8.3833	3	20	31	50.637	-35	46	18.59	4	9011	VILLA DOLO	4477	4	BW	7979
	12	17	1	24	12.3833	3	20	34	15.238	-35	30	25.38	4	9011	VILLA DOLO	4477	5	BW	7980
	12	21	0	38	59.9123	3	21	51	43.242	-	9	50 32.57	4	9011	VILLA DOLO	4522	5	BW	7981
	12	21	11	2	35.2697	3	22	4	13.909	-	7	15 20.27	4	9003	WOOMERA	7533	5	SD	7748
	12	21	11	2	41.2695	3	22	7	37.710	-	6	7 59.54	4	9003	WOOMERA	7533	8	SD	7749
	12	21	20	26	28.4712	3	22	8	28.072		71	44 53.22	4	9005	TOKYO	4341	7	KA	7750
	12	21	20	26	33.2762	3	21	58	17.704		71	50 2.59	4	9005	TOKYO	4341	8	KA	7751
	12	21	20	28	10.5880	3	18	40	7.114		64	10 46.74	4	9005	TOKYO	4342	5	BW	7050
	12	21	20	28	32.1715	3	18	12	7.244		60	14 54.79	4	9005	TOKYO	4342	14	BW	7051
	12	22	20	43	1.6609	3	16	41	2.321		73	26 13.34	4	9005	TOKYO	4357	5	PB	7498
	12	23	12	16	35.4701	1	18	49	44.169		59	8 25.67	4	9001	ORGAN PASS	4516	3	PB	7179
	12	23	12	16	39.4701	1	18	45	34.650		58	37 46.96	4	9001	ORGAN PASS	4516	5	PB	7180
	12	23	12	17	55.4035	1	17	45	7.169		46	46 13.28	4	9001	ORGAN PASS	4517	5	YK	7182
	12	24	12	35	58.9222	1	16	7	35.985		3	36 9.45	4	9001	ORGAN PASS	4537	3	KA	7741

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1961	12	25	12	46	44.3446	1	15	8	15.818	68	45	42.98	4	9001	ORGAN PASS	4556	3	KA	7023
	12	25	12	46	48.3448	1	15	7	24.128	67	29	7.24	4	9001	ORGAN PASS	4556	5	KA	7024
	12	26	5	28	13.8092	10	2	43	24.342	-39	11	32.65	4	9012	MAUI	5028	3	OD	8799
	12	26	5	28	17.8092	10	2	45	10.421	-38	33	12.94	4	9012	MAUI	5028	5	OD	7766
	12	26	13	1	7.6152	1	10	8	41.985	62	21	17.12	4	9001	ORGAN PASS	4571	5	KA	7177
	12	26	13	1	13.6154	1	10	21	27.071	60	59	36.89	4	9001	ORGAN PASS	4571	8	KA	7875
	12	27	5	42	40.2100	1	0	46	28.833	-34	25	15.92	4	9012	MAUI	5046	6	KA	7769
	12	27	5	42	42.2099	1	0	47	15.485	-34	5	45.67	4	9012	MAUI	5046	7	KA	7770
	12	27	20	8	55.3764	3	8	42	2.386	68	37	11.31	4	9005	TOKYO	4436	14	PB	7752
	12	27	20	9	2.5758	3	9	2	58.729	67	42	3.72	4	9005	TOKYO	4436	17	PB	7753
	12	27	20	13	7.7845	3	13	24	1.876	-12	12	42.61	4	9005	TOKYO	4437	3	CB	8856
	12	28	0	47	13.8423	10	21	40	30.362	24	57	7.18	4	9009	CURACAO	4139	3	FI	7507
	12	28	0	47	25.8106	10	21	40	1.462	27	14	32.36	4	9009	CURACAO	4139	6	FI	7508
	12	28	0	50	1.8196	10	21	17	56.343	54	56	56.28	4	9009	CURACAO	4140	7	FI	7509
	12	28	0	50	5.8097	10	21	16	48.418	55	33	39.69	4	9009	CURACAO	4140	8	FI	7510
	12	28	5	58	12.7476	10	23	17	57.222	- 9	14	41.77	4	9012	MAUI	5062	4	OD	7773
	12	28	5	58	14.7477	10	23	18	20.513	- 8	45	45.83	4	9012	MAUI	5062	5	OD	7774
	12	28	11	14	0.8193	3	22	55	58.523	- 3	27	0.19	4	9005	TOKYO	4447	6	SS	7908
	12	28	20	22	36.9339	3	6	47	43.039	48	1	27.80	4	9005	TOKYO	4461	4	KA	7754
	12	28	20	22	41.7319	3	6	53	27.163	47	40	42.01	4	9005	TOKYO	4461	5	KA	7755
	12	28	20	24	42.8347	3	9	23	55.397	26	5	32.06	4	9005	TOKYO	4462	7	BW	7052
	12	28	20	24	45.2317	3	9	26	37.922	25	24	31.01	4	9005	TOKYO	4462	8	BW	7053
	12	29	6	11	5.3847	1	22	2	50.411	-15	43	59.74	4	9012	MAUI	5083	3	SD	7607
	12	29	6	11	9.3846	1	22	3	7.390	-15	9	17.68	4	9012	MAUI	5083	5	SD	7608
	12	29	9	42	27.0189	3	1	50	16.674	-23	36	9.78	4	9005	TOKYO	4468	9	KA	7601
	12	29	9	42	36.6074	3	1	54	37.570	-22	5	15.69	4	9005	TOKYO	4468	11	KA	7602
	12	29	9	45	13.8661	3	3	35	37.726	14	28	3.73	4	9005	TOKYO	4469	5	KA	7756
	12	29	9	45	18.6607	3	3	39	52.668	15	49	32.65	4	9005	TOKYO	4469	7	KA	7757
	12	29	10	13	55.2021	10	21	4	3.436	85	52	20.64	4	9010	JUPITER	5319	2	KA	7603
	12	29	10	14	19.2022	10	17	38	13.843	84	36	15.72	4	9010	JUPITER	5319	5	KA	7604
	12	29	11	59	2.8159	1	13	49	48.933	54	53	31.51	4	9001	ORGAN PASS	4627	3	FI	7496
	12	29	18	55	54.9107	3	15	0	14.993	2	17	50.59	4	9005	TOKYO	4482	2	KA	7764
	12	29	18	56	4.5056	3	14	59	43.942	0	34	10.79	4	9005	TOKYO	4482	3	KA	7765
	12	29	20	36	59.9076	3	6	52	54.368	31	19	7.92	4	9005	TOKYO	4490	3	BW	7054
	12	29	20	37	9.5174	3	7	0	14.959	30	15	32.87	4	9005	TOKYO	4490	4	BW	7055
	12	29	20	39	7.4160	3	8	31	19.227	10	55	13.61	4	9005	TOKYO	4491	2	FI	7758
	12	29	20	39	17.0078	3	8	38	26.212	8	55	10.36	4	9005	TOKYO	4491	3	SY	3654
	12	30	1	16	23.1963	1	3	35	37.199	-18	48	9.87	4	9001	ORGAN PASS	4633	6	YK	8415
	12	30	6	28	50.5573	1	21	22	37.424	23	33	41.29	4	9012	MAUI	5105	9	SS	8854
	12	30	6	30	59.9977	1	20	54	46.777	46	54	45.40	4	9012	MAUI	5106	3	KA	7613
	12	30	6	31	3.9977	1	20	53	22.926	47	35	21.76	4	9012	MAUI	5106	5	KA	7614
	12	30	10	0	39.5258	3	2	37	48.405	50	43	50.03	4	9005	TOKYO	4495	7	PB	7501
	12	30	12	13	42.6567	1	10	35	49.524	39	47	12.85	4	9001	ORGAN PASS	4652	2	SD	7478
	12	30	12	13	44.6567	1	10	38	21.309	39	2	22.04	4	9001	ORGAN PASS	4652	3	SD	7479
	12	31	10	12	16.9162	3	23	7	37.282	3	21	19.77	4	9005	TOKYO	4525	5	FI	7502

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.	MS	OBS.NO.
1961	12	31	10	12	26.5063	3	23	8	21.496	5	35	14.92	4	9005	TOKYO	4525 7	FI	7503
	12	31	10	15	50.1298	3	23	19	13.011	70	50	50.01	4	9005	TOKYO	4526 8	FC	7513
	12	31	10	44	36.4797	1	15	17	43.272	7	36	9.47	4	9001	ORGAN PASS	4672 4	KA	7030
	12	31	10	44	44.4792	1	15	16	52.308	6	16	12.98	4	9001	ORGAN PASS	4672 6	KA	7031
	12	31	12	27	24.4367	1	8	4	45.665	29	37	7.10	4	9001	ORGAN PASS	4681 5	CB	7264
	12	31	12	28	45.8865	1	9	20	51.522	8	27	54.02	4	9001	ORGAN PASS	4682 2	KA	7032
	12	31	12	28	49.8864	1	9	24	14.273	7	18	50.26	4	9001	ORGAN PASS	4682 4	KA	7033
	12	31	19	23	58.7991	3	12	7	59.922	- 3	28	56.04	4	9005	TOKYO	4537 2	BW	7056
	12	31	19	24	3.6033	3	12	10	19.813	- 4	48	26.83	4	9005	TOKYO	4537 4	BW	7057
1962	1	2	5	25	7.2239	1	21	21	8.644	12	1	33.93	4	9012	MAUI	5163 3	FC	8348
	1	2	5	25	13.2240	1	21	20	58.657	13	19	37.82	4	9012	MAUI	5163 6	FC	8356
	1	2	8	55	7.4805	3	1	26	55.589	-10	35	23.83	4	9005	TOKYO	4548 2	FC	8452
	1	2	10	43	9.9734	3	21	5	6.704	32	54	26.89	4	9005	TOKYO	4556 3	LE	1575
	1	2	10	43	19.5802	3	21	1	46.604	34	42	53.87	4	9005	TOKYO	4556 4	LE	9853
	1	2	19	54	9.9440	3	9	50	7.596	-29	13	43.22	4	9005	TOKYO	4567 3	FC	574
	1	2	19	54	14.7448	3	9	52	22.266	-29	53	14.64	4	9005	TOKYO	4567 4	FC	8437
	1	3	9	13	22.1644	3	3	38	34.099	70	49	11.64	4	9005	TOKYO	4573 6	FC	8438
	1	3	9	13	46.1915	3	4	55	50.263	73	16	40.86	4	9005	TOKYO	4573 11	FC	8439
	1	3	9	46	18.7054	3	12	37	47.058	-27	56	14.84	4	9010	JUPITER	5353 3	LE	8345
	1	3	9	46	22.7058	3	12	39	9.193	-28	37	2.44	4	9010	JUPITER	5353 4	LE	8346
	1	4	9	25	15.4218	10	22	17	14.863	26	31	38.47	4	9005	TOKYO	4595 11	FC	8341
	1	4	9	25	20.2190	10	22	17	9.349	28	1	5.44	4	9005	TOKYO	4595 12	FC	8342
	1	4	10	0	24.4335	3	10	34	12.381	-31	25	22.75	4	9010	JUPITER	5369 8	LE	8347
	1	4	10	0	26.3983	10	7	26	37.450	22	52	19.20	4	9009	CURACAO	4214 7	VD	8333
	1	4	10	0	28.4333	3	10	36	17.741	-32	8	14.71	4	9010	JUPITER	5369 9	LE	8348
	1	4	10	0	30.3982	10	7	28	14.446	22	12	6.41	4	9009	CURACAO	4214 8	VD	8334
	1	4	10	1	51.5024	10	8	0	2.931	6	13	54.58	4	9009	CURACAO	4215 3	LE	8335
	1	4	10	2	3.5027	10	8	4	35.460	3	31	14.62	4	9009	CURACAO	4215 6	LE	8873
	1	4	10	5	43.6789	10	9	21	13.473	-45	23	5.16	4	9009	CURACAO	4216 10	BO	8337
	1	4	10	5	47.6786	10	9	22	32.364	-46	3	58.57	4	9009	CURACAO	4216 11	BO	8338
	1	7	1	27	8.4431	1	20	52	23.447	27	27	47.02	4	9001	ORGAN PASS	4740 4	RO	8035
	1	7	1	27	12.4431	1	20	51	36.422	28	26	17.23	4	9001	ORGAN PASS	4740 6	RO	8036
	1	11	1	24	7.7419	1	13	36	19.848	26	26	7.08	4	9002	OLIFANTS	5756 9	LE	8037
	1	11	1	24	11.7422	1	13	38	7.066	25	42	7.17	4	9002	OLIFANTS	5756 10	LE	8038
	1	11	1	25	48.8645	1	14	24	31.752	5	50	25.46	4	9002	OLIFANTS	5757 3	LE	8039
	1	11	1	25	52.8641	1	14	26	33.578	4	58	23.96	4	9002	OLIFANTS	5757 4	LE	8040
	1	11	1	28	7.8036	10	15	39	33.224	-21	28	14.35	4	9002	OLIFANTS	5758 5	LE	8863
	1	11	1	28	19.8033	10	15	46	19.745	-23	19	33.14	4	9002	OLIFANTS	5758 8	LE	8041
	1	12	1	39	38.6125	1	12	52	15.143	8	6	59.61	4	9002	OLIFANTS	5766 10	PI	8042
	1	12	1	39	40.6125	1	12	53	36.163	7	31	46.11	4	9002	OLIFANTS	5766 11	PI	8864
	1	13	1	52	0.0441	1	9	46	25.698	29	6	10.13	4	9002	OLIFANTS	5775 6	LE	8044
	1	13	1	52	8.0441	1	9	49	10.979	27	42	39.87	4	9002	OLIFANTS	5775 8	LE	8045
	1	14	2	6	52.0144	1	8	19	4.646	12	13	45.28	4	9002	OLIFANTS	5784 6	BO	8322
	1	14	2	7	8.0146	1	8	20	53.589	8	51	13.06	4	9002	OLIFANTS	5784 10	BO	8323
	1	14	2	12	39.7869	1	8	0	36.056	-88	6	6.57	4	9002	OLIFANTS	5786 4	FC	8304

CATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1962	1	14	2	12	55.7867	1	22	40	53.049	-89	0	33.38	4	9002	OLIFANTS	5786	8	FC	8869
	1	14	7	18	36.7211	1	12	11	49.302	28	36	33.40	4	9011	VILLA DOLO	4646	4	FC	8440
	1	14	7	18	48.7211	1	12	17	57.751	26	35	35.56	4	9011	VILLA DOLO	4646	7	FC	8441
	1	14	17	43	27.9374	3	13	24	24.116	3	33	35.04	4	9003	WOOMERA	7776	2	BO	8327
	1	14	17	43	31.9374	3	13	27	1.164	2	35	57.98	4	9003	WOOMERA	7776	4	BO	9847
	1	15	2	22	0.5197	1	7	21	22.551	- 5	6	9.73	4	9002	OLIFANTS	5798	6	BO	8306
	1	15	2	22	8.5199	1	7	21	0.616	- 6	44	1.38	4	9002	OLIFANTS	5798	8	BO	8307
	1	15	2	23	59.2493	1	7	8	11.586	-32	40	39.11	4	9002	OLIFANTS	5799	3	RO	8308
	1	15	2	24	11.2500	1	7	5	33.717	-35	42	3.02	4	9002	OLIFANTS	5799	6	RO	8309
	1	15	2	26	33.7821	1	5	45	58.497	-67	4	42.72	4	9002	OLIFANTS	5800	3	RO	8310
	1	15	2	26	37.7819	1	5	41	22.860	-67	43	29.66	4	9002	OLIFANTS	5800	4	RO	8311
	1	15	7	33	19.3771	1	10	44	19.465	21	15	41.56	4	9011	VILLA DOLO	4652	6	FC	8453
	1	16	7	47	35.4891	1	8	56	11.834	13	32	20.96	4	9011	VILLA DOLO	4656	3	LE	8349
	1	16	7	47	43.5035	1	8	57	59.464	11	51	44.94	4	9011	VILLA DOLO	4656	5	LE	8350
	1	17	8	2	21.7226	1	7	41	38.601	- 0	13	51.55	4	9011	VILLA DOLO	4669	3	RO	8442
	1	17	8	2	33.7223	1	7	41	40.313	- 2	48	38.73	4	9011	VILLA DOLO	4669	6	RO	8443
	1	17	8	4	25.8006	1	7	35	12.106	-33	28	4.48	4	9011	VILLA DOLO	4670	4	FC	8353
	1	17	8	4	31.8005	1	7	34	18.696	-35	21	56.46	4	9011	VILLA DOLO	4670	7	FC	8354
	1	17	18	27	25.1562	3	7	32	25.499	-37	19	53.42	4	9003	WOOMERA	7804	2	GN	8316
	1	17	18	27	35.1558	3	7	30	53.664	-40	35	1.52	4	9003	WOOMERA	7804	7	GN	8317
	1	18	6	33	44.2285	1	13	44	10.990	-21	36	34.64	4	9011	VILLA DOLO	4683	4	RO	8444
	1	18	6	33	48.2287	1	13	47	37.577	-22	31	0.71	4	9011	VILLA DOLO	4683	6	RO	8445
	1	18	16	57	5.0329	3	14	9	19.959	-27	18	37.28	4	9003	WOOMERA	7812	3	FC	8339
	1	18	16	57	13.0325	3	14	16	4.180	-28	47	40.00	4	9003	WOOMERA	7812	7	FC	8340
	1	18	18	40	22.2350	3	6	45	8.180	-14	26	27.21	4	9003	WOOMERA	7817	4	GN	8318
	1	18	18	40	28.2350	3	6	44	20.384	-15	38	12.92	4	9003	WOOMERA	7817	7	GN	8870
	1	18	18	41	57.0834	3	6	25	21.522	-34	55	49.59	4	9003	WOOMERA	7818	3	GN	8871
	1	18	18	42	7.0832	3	6	22	5.974	-37	12	9.37	4	9003	WOOMERA	7818	8	GN	8321
	1	19	6	48	27.9244	1	12	47	25.117	-47	40	50.23	4	9011	VILLA DOLO	4687	3	RO	8446
	1	19	6	48	29.9243	1	12	50	24.014	-48	10	36.29	4	9011	VILLA DOLO	4687	4	RO	8447
	1	19	17	10	35.7900	3	11	57	37.470	-34	21	34.63	4	9003	WOOMERA	7821	4	LE	8432
	1	19	17	10	41.7896	3	12	4	43.158	-36	19	42.88	4	9003	WOOMERA	7821	7	LE	8433
	1	19	18	58	1.3490	3	5	14	52.030	-47	49	7.90	4	9003	WOOMERA	7830	3	LE	8434
	1	19	18	58	11.3489	3	5	8	57.956	-49	19	56.20	4	9003	WOOMERA	7830	8	LE	8435
	1	20	7	2	44.5063	1	9	6	41.203	-60	27	10.17	4	9011	VILLA DOLO	4694	3	FC	8454
	1	20	7	2	48.5059	1	9	9	40.558	-61	51	37.02	4	9011	VILLA DOLO	4694	5	FC	8455
	1	22	17	53	29.3394	3	5	42	14.628	-33	32	50.06	4	9003	WOOMERA	7839	5	FC	8875
	1	24	16	38	2.3981	3	8	31	59.271	-77	2	6.99	4	9003	WOOMERA	7860	10	FC	8450
	1	24	16	38	16.3976	3	8	56	58.682	-80	30	15.71	4	9003	WOOMERA	7860	17	FC	8451
	2	4	20	26	22.5805	3	18	45	18.664	77	40	58.86	4	9004	SAN FERNAN	4996	3	CB	9593
	2	5	14	14	9.8672	3	23	14	45.803	-83	17	58.86	4	9003	WOOMERA	7986	8	BW	9652
	2	5	14	14	17.8668	3	22	26	58.154	-83	10	20.79	4	9003	WOOMERA	7986	10	BW	9653
	2	6	10	32	1.0076	3	20	21	4.245	84	8	47.99	4	9005	TOKYO	4988	9	SD	9581
	2	6	10	32	10.6167	3	20	48	26.749	86	6	23.64	4	9005	TOKYO	4988	11	SD	9582
	2	7	2	7	34.2594	3	10	40	29.189	55	16	42.48	4	9001	ORGAN PASS	5020	4	KA	652

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1962	2	7	2	7	38.2595	3	10	37	4.102	54	33	14.37	4	9001	ORGAN PASS	5020	6	KA	653
	2	7	10	47	28.8112	3	1	39	23.316	62	50	3.74	4	9005	TOKYO	5004	12	SS	9668
	2	7	14	41	19.6717	3	2	20	27.326	-46	1	49.55	4	9003	WOOMERA	8023	6	BW	9654
	2	7	14	41	43.6710	3	2	6	54.583	-49	41	55.86	4	9003	WOOMERA	8023	12	BW	9655
	2	10	1	7	46.5924	1	1	1	52.768	67	9	7.72	4	9010	JUPITER	5615	2	CB	9959
	2	10	1	7	50.5928	1	1	10	17.819	66	52	15.67	4	9010	JUPITER	5615	3	CB	9960
	2	10	1	30	15.2386	1	11	16	44.046	-41	2	28.50	4	9011	VILLA DOLO	4794	3	SS	476
	2	10	1	30	23.2379	1	11	24	34.692	-41	58	53.92	4	9011	VILLA DOLO	4794	5	SS	477
	2	10	2	50	40.0556	3	0	54	45.632	56	40	58.74	4	9001	ORGAN PASS	5046	4	HB	9636
	2	10	2	50	44.0556	3	1	1	43.028	56	13	35.25	4	9001	ORGAN PASS	5046	6	HB	9637
	2	10	6	20	45.0336	1	1	12	46.526	68	20	27.21	4	9012	MAUI	5562	2	HB	9604
	2	10	11	52	40.0003	3	10	49	9.165	-36	30	44.23	4	9003	WOOMERA	8077	4	SS	9587
	2	10	11	52	48.0000	3	10	56	39.239	-37	42	16.05	4	9003	WOOMERA	8077	8	SS	9588
	2	10	23	42	2.4100	3	9	10	28.361	45	54	14.78	4	9009	CURACAO	4483	1	SJ	9608
	2	10	23	42	10.4092	3	9	9	28.285	44	9	25.83	4	9009	CURACAO	4483	3	SJ	9609
	2	11	1	23	33.1138	1	1	43	43.310	28	58	52.45	4	9010	JUPITER	5622	3	FI	9961
	2	11	1	26	22.9918	3	0	57	38.451	31	14	12.19	4	9009	CURACAO	4490	4	HB	9956
	2	11	1	26	34.9917	3	1	2	38.193	29	40	40.33	4	9009	CURACAO	4490	7	FI	2739
	2	11	1	43	1.8347	1	7	52	57.843	-43	2	32.98	4	9011	VILLA DOLO	4808	4	BW	478
	2	11	1	43	3.8348	1	7	55	30.742	-43	43	16.57	4	9011	VILLA DOLO	4808	5	BW	479
	2	11	3	5	43.7268	3	1	4	8.426	27	42	41.03	4	9001	ORGAN PASS	5058	4	HB	9638
	2	11	3	5	51.7269	3	1	11	22.954	26	8	17.05	4	9001	ORGAN PASS	5058	8	HB	9639
	2	11	12	5	5.8773	3	7	11	9.520	-25	44	45.41	4	9003	WOOMERA	8103	7	SS	9589
	2	11	12	5	9.8772	3	7	14	51.504	-27	17	25.94	4	9003	WOOMERA	8103	9	SS	9590
	2	11	20	21	11.2562	3	23	5	46.112	34	5	9.62	4	9004	SAN FERNAN	5059	3	SD	9579
	2	11	20	21	23.2560	3	23	14	4.079	33	14	2.75	4	9004	SAN FERNAN	5059	6	SD	9580
	2	11	23	54	25.9888	3	6	30	2.821	79	47	16.49	4	9009	CURACAO	4499	2	KA	9585
	2	11	23	54	33.9888	3	6	36	43.957	78	34	22.69	4	9009	CURACAO	4499	4	KA	9586
	2	11	23	57	17.3869	3	7	35	51.420	39	20	21.59	4	9009	CURACAO	4500	5	OD	9583
	2	11	23	57	19.3863	3	7	36	18.448	38	40	34.44	4	9009	CURACAO	4500	6	OD	9584
	2	12	6	49	35.6444	1	0	23	31.622	28	17	35.70	4	9012	MAUI	5583	4	SD	9964
	2	12	12	18	44.3752	3	4	20	40.826	-17	56	55.60	4	9003	WOOMERA	8124	3	HB	9649
	2	13	0	6	20.0100	1	6	20	48.351	59	58	37.28	4	9010	JUPITER	5643	5	SD	9962
	2	13	0	11	14.9193	3	4	6	59.223	43	10	10.06	4	9009	CURACAO	4515	3	SD	9610
	2	13	0	11	20.9198	3	4	12	18.357	41	16	7.74	4	9009	CURACAO	4515	6	SD	9611
	2	14	0	38	32.6443	1	7	25	2.116	2	57	53.26	4	9011	VILLA DOLO	4860	2	BW	480
	2	14	0	38	38.6444	1	7	29	23.096	1	14	58.22	4	9011	VILLA DOLO	4860	5	BW	481
	2	14	11	1	19.8801	3	7	27	6.304	3	54	43.08	4	9003	WOOMERA	8141	4	BW	9656
	2	14	11	1	51.8797	3	7	50	58.723	- 5	22	31.91	4	9003	WOOMERA	8141	17	BW	9657
	2	14	12	51	43.4383	3	23	47	11.726	-64	55	44.71	4	9003	WOOMERA	8150	7	FI	9575
	2	14	12	51	47.4383	3	23	41	58.708	-65	19	54.69	4	9003	WOOMERA	8150	9	FI	9576
	2	15	0	52	48.0959	1	5	16	46.448	- 5	3	59.54	4	9011	VILLA DOLO	4862	2	BW	482
	2	15	0	52	52.0959	1	5	18	46.877	- 6	25	14.33	4	9011	VILLA DOLO	4862	4	BW	4320
	2	15	11	15	50.9140	3	5	28	2.910	- 9	28	29.53	4	9003	WOOMERA	8164	12	CB	9658
	2	15	11	16	0.6778	3	5	33	53.782	-13	5	15.46	4	9003	WOOMERA	8164	17	CB	9659

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.	MS	OBS.NO.
1962	2	16	1	7	33.4122	1	3	23	31.072	-19	55	4.38	4	9011	VILLA DOLO	4865 4	SS	484
	2	16	1	7	37.4123	1	3	23	45.401	-21	12	49.91	4	9011	VILLA DOLO	4865 6	SS	485
	2	16	11	30	42.6545	3	3	24	44.245	-26	57	23.40	4	9003	WOOMERA	8186 8	CB	9660
	2	16	11	30	58.6540	3	3	26	3.241	-32	38	11.16	4	9003	WOOMERA	8186 14	CB	9661
	2	16	23	27	18.9174	3	5	44	49.289	-46	41	24.16	4	9009	CURACAO	4546 6	HB	9612
	2	17	19	7	39.6771	3	21	14	13.809	-55	27	9.63	4	9003	WOOMERA	8215 4	SS	9662
	2	17	19	7	59.6762	3	21	0	1.141	-52	48	1.01	4	9003	WOOMERA	8215 9	SS	9663
	2	17	23	37	25.5882	3	1	11	6.225	15	12	44.65	4	9009	CURACAO	4554 3	SD	9613
	2	17	23	37	33.5881	3	1	15	15.452	13	5	48.30	4	9009	CURACAO	4554 5	SD	9614
	2	18	1	35	44.6659	1	1	41	27.802	-15	15	20.38	4	9011	VILLA DOLO	4885 2	KA	5772
	2	19	19	37	39.2556	3	18	45	40.131	-64	14	43.12	4	9003	WOOMERA	8254 4	FI	638
	2	19	19	37	51.2551	3	18	40	20.482	-61	2	23.63	4	9003	WOOMERA	8254 10	FI	9574
	2	20	2	36	47.5353	1	19	11	13.717	-17	7	53.85	4	9002	OLIFANTS	6114 4	CB	9617
	2	20	2	36	51.5353	1	19	10	52.347	-16	19	43.92	4	9002	OLIFANTS	6114 5	CB	9618
	2	21	0	31	2.4809	1	1	38	21.943	5	24	36.27	4	9011	VILLA DOLO	4969 3	MJ	302
	2	21	2	53	9.1090	1	18	19	57.671	11	19	20.88	4	9002	OLIFANTS	6147 4	HB	636
	2	21	10	55	2.8156	3	1	30	14.096	- 5	50	33.65	4	9003	WOOMERA	8266 9	HB	637
	2	21	11	1	38.7795	3	19	47	20.036	-74	5	35.71	4	9003	WOOMERA	8268 9	SD	9573
	2	22	0	49	19.2593	1	0	32	29.090	-35	43	25.02	4	9011	VILLA DOLO	4998 6	MJ	301
	2	22	3	6	53.3041	1	16	50	32.584	13	45	28.66	4	9002	OLIFANTS	6174 6	OD	9627
	2	22	3	7	1.3043	1	16	52	50.618	15	32	5.11	4	9002	OLIFANTS	6174 8	OD	9628
	2	22	11	10	37.7613	3	0	49	48.333	-20	24	32.07	4	9003	WOOMERA	8295 3	HB	9664
	2	22	11	10	45.7610	3	0	48	20.638	-21	44	38.88	4	9003	WOOMERA	8295 5	HB	9665
	2	23	18	49	0.5792	1	17	40	28.052	-70	15	11.16	4	9003	WOOMERA	8345 5	KA	9665
	2	23	18	49	16.5786	1	17	35	21.475	-65	57	0.12	4	9003	WOOMERA	8345 13	KA	9667
	2	24	10	39	59.4425	10	17	24	8.266	-39	0	40.40	4	9010	JUPITER	5715 5	SD	9963
	2	24	19	4	13.6618	1	14	5	21.604	-55	36	11.79	4	9003	WOOMERA	8365 8	SS	9633
	2	24	19	4	15.6617	1	14	7	51.334	-54	59	38.21	4	9003	WOOMERA	8365 9	SS	9634
	2	25	7	6	17.5042	1	21	54	12.331	-68	55	12.13	4	9011	VILLA DOLO	5015 5	OD	300
	2	25	7	8	23.4056	10	19	28	6.442	-54	14	24.48	4	9011	VILLA DOLO	5016 2	KA	305
	2	25	7	8	31.4054	10	19	22	38.821	-52	52	55.76	4	9011	VILLA DOLO	5016 4	KA	306
	2	25	19	18	26.0902	1	11	32	28.998	-38	30	11.13	4	9003	WOOMERA	8389 4	KA	9592
	2	25	19	18	50.0891	1	11	57	54.555	-32	57	25.31	4	9003	WOOMERA	8389 16	KA	706
	2	26	2	12	45.2554	1	9	38	53.439	-71	29	56.64	4	9002	OLIFANTS	6230 4	SS	9623
	2	26	2	12	49.2554	1	9	47	0.968	-71	26	58.59	4	9002	OLIFANTS	6230 5	SS	635
	2	26	17	45	47.5420	1	19	3	1.805	-65	8	3.11	4	9003	WOOMERA	8409 3	KA	9631
	2	26	17	46	25.5405	1	18	31	43.987	-57	17	57.23	4	9003	WOOMERA	8409 17	KA	9632
	2	26	19	31	55.0388	1	10	7	11.385	-29	38	18.78	4	9003	WOOMERA	8416 3	SS	9591
	2	26	19	36	58.7116	1	13	7	41.801	27	54	46.99	4	9003	WOOMERA	8417 4	HB	9650
	2	26	19	37	18.7136	1	13	16	31.665	30	54	3.03	4	9003	WOOMERA	8417 9	HB	9651
	2	26	19	52	5.9476	3	18	9	27.807	- 7	21	29.72	4	9005	TOKYO	5124 6	HB	9669
	2	26	19	52	29.6019	3	18	25	0.693	- 2	17	51.53	4	9005	TOKYO	5124 10	HB	2250
	2	27	2	27	15.4533	1	9	32	19.110	-50	40	27.29	4	9002	OLIFANTS	6251 5	SS	9621
	2	27	2	27	31.4523	1	9	47	8.900	-49	25	25.96	4	9002	OLIFANTS	6251 7	SS	9622
	2	27	2	29	13.7843	1	11	22	54.002	-34	30	58.23	4	9002	OLIFANTS	6252 5	KA	9619

CATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME	NO.	MS	OBS.NO.
1962	2	27	2	29	25.7843	1	11	33	33.428	-31	51	8.83	4	9002	OLIFANTS	6252	8	KA	634
	2	27	2	33	55.5994	1	14	25	0.724	35	5	53.74	4	9002	OLIFANTS	6253	5	PB	9477
	2	27	2	34	3.5997	1	14	28	29.343	36	16	59.92	4	9002	OLIFANTS	6253	6	PB	655
	2	27	11	24	26.2193	3	18	32	35.408	-18	9	29.95	4	9001	ORGAN PASS	5151	4	SD	9467
	2	27	11	24	30.2193	3	18	34	12.147	-17	34	13.10	4	9001	ORGAN PASS	5151	5	SD	9468
	2	27	11	26	17.3941	3	19	20	23.882	- 1	6	0.46	4	9001	ORGAN PASS	5152	6	HB	9635
	2	27	20	6	50.2304	3	17	1	21.220	5	58	58.79	4	9005	TOKYO	5136	18	JD	640
	2	27	20	7	38.9914	3	17	45	14.704	21	14	19.65	4	9005	TOKYO	5136	29	CD	641
	2	28	0	55	55.7907	1	19	15	0.721	-70	52	15.53	4	9002	OLIFANTS	6264	2	MJ	9479
	2	28	0	55	59.7905	1	19	10	5.702	-70	14	55.80	4	9002	OLIFANTS	6264	3	MJ	9480
	2	28	1	0	57.6065	1	17	37	25.836	- 3	53	39.69	4	9002	OLIFANTS	6266	4	HB	9642
	2	28	1	1	5.6063	1	17	37	21.201	- 2	21	37.99	4	9002	OLIFANTS	6266	6	HB	9643
	2	28	2	42	32.0333	1	10	0	18.142	-28	16	34.24	4	9002	OLIFANTS	6270	2	SD	9471
	2	28	2	42	44.0334	1	10	7	15.605	-26	38	3.14	4	9002	OLIFANTS	6270	5	SD	9472
	2	28	2	44	6.6698	1	10	54	5.081	-12	43	31.51	4	9002	OLIFANTS	6271	4	MJ	9473
	2	28	2	44	14.6698	1	10	58	28.148	-11	9	52.26	4	9002	OLIFANTS	6271	6	MJ	9474
	2	28	2	47	37.8472	1	12	36	34.860	29	23	42.25	4	9002	OLIFANTS	6272	5	PB	654
	2	28	2	47	45.8475	1	12	39	54.673	30	42	22.67	4	9002	OLIFANTS	6272	7	PB	9476
	2	28	11	39	12.5238	3	17	59	34.596	-12	32	37.11	4	9001	ORGAN PASS	5164	2	KA	2286
	2	28	11	39	20.5234	3	18	4	1.168	-10	58	32.37	4	9001	ORGAN PASS	5164	6	KA	2287
	2	28	11	43	41.9266	3	20	56	2.655	33	28	49.60	4	9001	ORGAN PASS	5165	5	SD	9469
	2	28	11	43	45.9267	3	20	58	44.406	33	50	4.48	4	9001	ORGAN PASS	5165	6	SD	9470
	3	1	8	4	19.8652	1	8	19	23.065	-47	45	19.99	4	9011	VILLA DOLO	5075	3	FI	1136
	3	1	8	4	31.8650	1	8	29	37.419	-47	11	24.53	4	9011	VILLA DOLO	5075	6	FI	1137
	3	1	10	2	49.8777	1	11	26	10.729	-18	49	23.09	4	9009	CURACAO	4637	4	SY	1962
	3	1	10	4	10.7462	1	11	34	28.876	- 5	57	43.29	4	9009	CURACAO	4638	3	SY	1963
	3	2	10	22	58.2531	1	13	52	32.129	7	22	3.57	4	9010	JUPITER	5762	3	SS	1711
	3	2	10	23	6.2530	1	13	55	5.470	10	6	44.16	4	9010	JUPITER	5762	5	SS	2751
	3	2	13	47	14.4880	1	18	16	15.473	-13	59	53.05	4	9012	MAUI	5684	3	SS	1713
	3	2	13	47	20.4881	1	18	18	15.975	-12	56	50.32	4	9012	MAUI	5684	6	SS	1714
	3	2	13	49	29.2926	1	19	4	23.200	8	59	34.85	4	9012	MAUI	5685	2	FI	2281
	3	2	15	33	40.8768	1	12	26	15.998	21	34	1.53	4	9012	MAUI	5692	13	SY	1715
	3	2	15	33	46.8766	1	12	26	37.004	23	27	13.27	4	9012	MAUI	5692	16	SY	1716
	3	2	19	2	56.0884	3	16	52	4.432	-15	29	4.48	4	9005	TOKYO	5147	14	CB	1726
	3	2	19	3	10.4730	3	17	0	41.043	-12	38	41.65	4	9005	TOKYO	5147	17	CB	1727
	3	3	10	37	47.0055	1	18	37	33.684	- 0	51	38.94	4	9001	ORGAN PASS	5184	3	SS	1721
	3	3	10	37	51.0065	1	18	39	30.627	- 0	12	26.07	4	9001	ORGAN PASS	5184	4	SS	1722
	3	3	14	3	30.1411	1	18	26	50.366	15	18	38.11	4	9012	MAUI	5698	3	SJ	1733
	3	3	14	3	36.1414	1	18	30	12.216	16	34	56.10	4	9012	MAUI	5698	6	SJ	1734
	3	3	14	5	40.9620	1	19	42	46.751	36	31	15.54	4	9012	MAUI	5699	4	KA	1735
	3	3	14	6	16.8569	1	20	3	51.465	40	4	6.52	4	9012	MAUI	5699	12	KA	1736
	3	3	15	48	33.8875	1	11	16	53.880	28	20	38.88	4	9012	MAUI	5707	3	HY	1719
	3	3	15	48	39.8873	1	11	16	3.224	29	41	0.52	4	9012	MAUI	5707	6	HY	1720
	3	3	15	51	15.8581	1	10	22	7.208	61	33	38.65	4	9012	MAUI	5708	5	HY	1717
	3	3	15	51	19.8581	1	10	19	22.574	62	13	2.76	4	9012	MAUI	5708	7	HY	1718

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1962	3	4	10	51	47.1464	1	17	48	36.211	1	11	12.48	4	9001	ORGAN PASS	5200	3	BW	1690
	3	4	10	51	51.1461	1	17	51	15.090	2	4	44.89	4	9001	ORGAN PASS	5200	5	BW	1691
	3	4	10	55	15.5470	1	20	21	12.827	36	8	47.16	4	9001	ORGAN PASS	5201	3	SS	1723
	3	4	10	55	23.5444	1	20	27	0.693	36	48	53.02	4	9001	ORGAN PASS	5201	5	SS	1724
	3	4	12	35	3.0634	1	11	55	8.896	- 4	36	25.07	4	9001	ORGAN PASS	5210	5	CB	1725
	3	4	12	36	8.2787	1	11	52	4.244	6	25	38.65	4	9001	ORGAN PASS	5211	3	KA	1692
	3	4	12	36	16.2775	1	11	51	26.544	7	57	44.92	4	9001	ORGAN PASS	5211	5	KA	1693
	3	4	19	30	9.2387	3	13	15	39.008	-18	47	48.54	4	9005	TOKYO	5175	6	CB	1728
	3	4	19	32	39.7434	3	13	49	50.678	15	45	4.12	4	9005	TOKYO	5176	5	KA	2749
	3	4	19	33	11.3334	3	14	1	28.683	27	20	59.52	4	9005	TOKYO	5176	11	KA	2750
	3	4	19	33	20.9328	3	14	5	40.840	31	7	44.36	4	9005	TOKYO	5176	13	KA	1695
	3	4	19	35	1.9840	3	15	43	33.597	69	13	45.61	4	9005	TOKYO	5176	22	KA	1696
	3	4	19	35	16.3565	3	16	18	21.763	73	4	37.84	4	9005	TOKYO	5176	25	KA	1697
	3	6	0	58	8.4668	1	13	28	30.404	55	23	10.88	4	9008	SHIRAZ	6953	5	FI	1707
	3	6	18	16	56.9008	10	17	52	10.862	20	25	24.69	4	9005	TOKYO	5204	16	SJ	1729
	3	6	18	17	23.4765	3	18	17	39.563	26	19	6.24	4	9005	TOKYO	5204	21	SJ	1730
	3	6	18	17	37.8847	10	18	31	53.792	29	11	16.32	4	9005	TOKYO	5204	24	SJ	1731
	3	6	23	28	49.0234	10	19	41	18.162	31	24	49.47	4	9008	SHIRAZ	6959	8	SY	1710
	3	7	18	31	29.7448	3	16	35	32.002	42	22	15.21	4	9005	TOKYO	5214	4	SY	1732
	3	10	19	16	0.5515	3	9	0	34.081	57	31	22.70	4	9005	TOKYO	5248	1	CB	1699
	3	10	19	16	5.3367	3	8	55	30.552	58	20	28.14	4	9005	TOKYO	5248	2	CB	1700
	3	11	19	29	51.7679	3	9	12	37.513	44	12	57.79	4	9005	TOKYO	5276	4	CB	1701
	3	11	19	30	1.3539	3	9	6	54.790	45	41	13.32	4	9005	TOKYO	5276	5	CB	1702
	3	14	4	37	52.3254	1	8	2	3.958	54	50	4.95	4	9004	SAN FERNAN	5151	4	SY	1705
	3	14	4	38	4.3257	1	7	50	11.403	56	20	59.96	4	9004	SAN FERNAN	5151	7	SY	1706
	3	25	11	50	23.6852	1	20	45	24.127	-79	27	39.33	4	9003	WOOMERA	8784	2	FI	1130
	3	25	11	50	27.6851	1	20	34	59.169	-79	47	33.78	4	9003	WOOMERA	8784	3	FI	1596
	3	27	10	35	6.2060	1	14	53	40.414	-52	21	4.67	4	9003	WOOMERA	8792	7	FI	1132
	3	27	10	35	18.2077	1	14	46	7.693	-50	38	42.06	4	9003	WOOMERA	8792	10	FI	1133
	3	29	0	40	7.0172	3	14	39	28.247	-85	37	2.72	4	9011	VILLA DOLO	5364	3	FI	1138
	3	29	0	40	15.0156	3	13	52	49.199	-84	21	36.46	4	9011	VILLA DOLO	5364	5	FI	1139
	3	30	23	24	8.4960	3	13	53	29.047	-49	31	14.58	4	9011	VILLA DOLO	5387	2	FI	1140
	3	30	23	24	24.4964	3	13	44	45.438	-46	45	52.32	4	9011	VILLA DOLO	5387	6	FI	1141
	3	31	11	33	29.0129	3	5	48	27.183	-47	21	53.09	4	9003	WOOMERA	8840	8	FI	1134
	3	31	11	33	35.0128	3	5	56	5.033	-46	16	41.69	4	9003	WOOMERA	8840	11	FI	1135
	4	1	18	43	43.6268	1	5	8	39.920	-48	30	10.59	4	9002	OLIFANTS	6706	6	OD	3782
	4	1	18	44	19.8799	1	5	46	54.688	-42	41	17.50	4	9002	OLIFANTS	6706	14	OD	3783
	4	2	10	15	46.0839	3	11	44	23.891	-74	41	25.71	4	9003	WOOMERA	8866	7	KA	3810
	4	2	10	15	54.0835	3	11	39	49.985	-72	42	24.57	4	9003	WOOMERA	8866	11	KA	3811
	4	2	12	2	15.1831	3	4	46	16.473	-15	43	31.38	4	9003	WOOMERA	8875	4	VE	3812
	4	4	17	40	10.1360	1	4	18	12.300	-70	43	5.43	4	9002	OLIFANTS	6727	6	OD	3784
	4	4	17	40	26.1358	1	4	52	18.182	-69	47	2.41	4	9002	OLIFANTS	6727	8	OD	3785
	4	4	17	42	21.1245	1	7	56	32.562	-46	36	5.60	4	9002	OLIFANTS	6728	5	SS	3786
	4	4	17	42	37.1248	1	8	11	51.755	-41	7	37.13	4	9002	OLIFANTS	6728	9	SS	3787
	4	5	10	57	27.9849	1	3	0	21.825	-38	23	41.47	4	9003	WOOMERA	8911	3	KA	4511

DATE Y	M	C	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) M	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1962	4	5	10	57	39.9843	1	3	8	21.190	-37	29	15.42	4	9003	WOOMERA	8911	6	KA	4902
	4	5	17	54	18.9922	1	3	27	32.210	-50	14	57.10	4	9002	OLIFANTS	6744	4	SS	6274
	4	5	17	54	22.9920	1	3	31	11.783	-49	56	56.29	4	9002	OLIFANTS	6744	5	SS	3789
	4	5	17	57	1.2186	1	5	55	17.018	-22	43	39.45	4	9002	OLIFANTS	6745	5	SS	3790
	4	5	17	57	9.2186	1	6	1	47.318	-20	29	37.62	4	9002	OLIFANTS	6745	9	SS	3791
	4	6	18	9	33.8877	1	3	54	26.634	-27	52	45.94	4	9002	OLIFANTS	6755	5	SY	3792
	4	6	18	9	41.8874	1	3	59	3.653	-26	46	47.11	4	9002	OLIFANTS	6755	7	SY	3793
	4	7	9	42	25.5063	10	6	3	56.581	-58	42	54.12	4	9003	WOOMERA	8935	3	OD	4159
	4	7	9	42	37.5058	10	6	23	7.714	-55	49	1.93	4	9003	WOOMERA	8935	9	OD	4160
	4	7	23	49	53.7035	1	13	10	6.319	24	22	34.88	4	9009	CURACAO	4937	3	KA	4173
	4	7	23	49	57.7034	1	13	11	42.754	24	59	17.82	4	9009	CURACAO	4937	4	KA	4174
	4	8	12	2	26.2896	3	6	55	15.914	20	52	57.81	4	9005	TOKYO	5573	7	HY	8193
	4	8	12	2	35.9012	3	6	54	46.681	23	49	53.23	4	9005	TOKYO	5573	9	HY	3851
	4	8	17	12	2.5489	3	7	57	31.441	21	51	5.94	4	9008	SHIRAZ	7342	7	FI	4161
	4	8	17	12	8.5489	3	7	59	36.620	24	13	22.79	4	9008	SHIRAZ	7342	10	FI	6276
	4	9	6	59	38.8976	1	6	13	33.369	4	54	30.77	4	9012	MAUI	6040	4	SJ	3844
	4	9	6	59	42.8976	1	6	13	51.114	5	59	59.85	4	9012	MAUI	6040	6	SJ	3845
	4	9	10	8	55.5225	10	2	21	39.656	-36	17	57.39	4	9003	WOOMERA	8955	3	HB	3826
	4	9	10	9	3.5220	10	2	26	35.679	-35	41	55.16	4	9003	WOOMERA	8955	5	HB	3827
	4	9	17	7	35.6485	1	4	14	59.167	-32	52	45.46	4	9002	OLIFANTS	6812	31	OD	3794
	4	9	17	8	7.6816	1	4	40	51.262	-26	6	1.10	4	9002	OLIFANTS	6813	3	KA	3817
	4	9	17	8	15.6817	1	4	47	8.748	-24	13	12.09	4	9002	OLIFANTS	6813	5	KA	3818
	4	11	4	1	41.0528	1	5	48	16.568	- 7	5	57.19	4	9001	ORGAN PASS	5703	1	SS	3770
	4	11	5	42	21.9608	1	9	22	19.559	-15	12	43.68	4	9012	MAUI	6072	4	SJ	3846
	4	11	5	42	25.9606	1	9	24	44.893	-14	0	27.50	4	9012	MAUI	6072	6	SJ	3847
	4	12	5	56	40.8432	10	6	58	9.231	- 5	26	52.68	4	9012	MAUI	6094	3	KA	4905
	4	12	5	56	46.8431	10	7	0	5.426	- 3	33	24.25	4	9012	MAUI	6094	6	KA	3849
	4	12	11	40	47.4542	1	0	14	38.475	61	20	51.73	4	9001	ORGAN PASS	5746	3	HY	4899
	4	12	11	40	51.4542	1	0	10	15.814	60	35	9.04	4	9001	ORGAN PASS	5746	5	HY	4900
	4	13	6	15	38.0991	10	4	17	10.324	76	6	9.44	4	9012	MAUI	6113	3	OD	4162
	4	13	6	15	46.0996	10	4	6	12.031	77	24	44.71	4	9012	MAUI	6113	5	OD	4163
	4	16	3	30	44.8156	1	4	8	20.740	27	20	27.33	4	9001	ORGAN PASS	5822	2	KA	4901
	4	16	3	30	52.8174	1	4	6	4.622	28	44	0.62	4	9001	ORGAN PASS	5822	4	KA	3801
	4	16	3	33	15.2265	1	2	54	59.637	52	43	7.37	4	9001	ORGAN PASS	5823	3	SS	3768
	4	16	3	33	27.2285	1	2	45	12.433	54	24	49.89	4	9001	ORGAN PASS	5823	6	SS	3769
	4	16	14	22	20.8979	1	23	52	57.052	62	51	11.66	4	9012	MAUI	6156	3	KA	4164
	4	16	14	22	26.8979	1	23	48	17.506	61	58	13.07	4	9012	MAUI	6156	6	KA	4165
	4	16	14	23	58.6504	1	23	0	41.855	45	40	1.80	4	9012	MAUI	6157	4	KA	4166
	4	16	14	24	0.6504	1	23	0	2.200	45	15	54.04	4	9012	MAUI	6157	5	KA	4167
	4	17	20	4	27.3844	10	22	1	52.321	26	27	53.65	4	9003	WOOMERA	9124	6	SY	3806
	4	17	20	4	35.3853	10	22	5	0.281	25	17	43.97	4	9003	WOOMERA	9124	8	SY	3807
	4	18	9	53	8.4350	3	21	55	25.224	12	48	53.66	4	9007	AREQUIPA	5570	6	OD	3835
	4	18	18	15	6.7383	3	20	50	47.936	77	59	11.62	4	9005	TOKYO	5648	3	HB	4903
	4	18	18	15	13.9726	3	20	45	6.652	75	51	53.65	4	9005	TOKYO	5648	6	HB	3833
	4	20	10	4	52.6892	1	21	47	49.223	52	40	45.54	4	9001	ORGAN PASS	5909	5	OD	3802

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1962	4	20	10	4	56.6903	1	21	45	29.314	51	35	54.63	4	9001	ORGAN PASS	5909	7	OD	3803
	4	21	8	54	48.5032	3	21	57	58.640	10	23	51.50	4	9011	VILLA DOLO	5467	3	CB	3837
	4	21	8	54	52.5034	3	21	59	56.597	9	40	7.01	4	9011	VILLA DOLO	5467	4	CB	5734
	4	21	10	19	10.8418	1	19	17	0.579	64	18	24.06	4	9001	ORGAN PASS	5925	3	HB	3776
	4	21	10	19	14.8433	1	19	18	40.334	62	53	43.37	4	9001	ORGAN PASS	5925	5	HB	3777
	4	21	19	21	25.6124	1	23	58	21.539	-26	8	23.78	4	9003	WOOMERA	9175	5	HY	3828
	4	21	19	21	33.6124	1	0	2	50.737	-27	0	38.37	4	9003	WOOMERA	9175	7	HY	3829
	4	22	10	33	30.4580	1	15	9	21.965	53	11	16.64	4	9001	ORGAN PASS	5945	3	HB	3774
	4	22	10	33	38.4565	1	15	22	47.462	51	8	20.10	4	9001	ORGAN PASS	5945	7	HB	3775
	4	23	8	59	8.4048	1	1	16	57.845	69	9	12.80	4	9001	ORGAN PASS	5959	4	HY	4898
	4	23	9	1	13.2192	1	22	25	19.551	54	59	47.05	4	9001	ORGAN PASS	5960	3	OD	3804
	4	23	9	1	17.2190	1	22	21	59.618	54	15	55.98	4	9001	ORGAN PASS	5960	5	OD	3805
	4	23	9	18	41.7554	3	18	43	47.095	11	30	0.41	4	9007	AREQUIPA	5634	4	OD	4513
	4	23	9	18	47.7549	3	18	47	10.774	9	28	14.13	4	9007	AREQUIPA	5634	7	OD	3836
	4	23	10	47	48.8631	1	13	42	28.535	31	5	13.75	4	9001	ORGAN PASS	5965	3	SS	3773
	4	23	19	46	16.8536	1	19	11	59.002	- 0	49	25.28	4	9003	WOOMERA	9213	3	SY	3808
	4	23	19	46	28.8535	1	19	19	35.119	- 4	36	44.40	4	9003	WOOMERA	9213	9	SY	3809
	4	24	7	33	28.7277	1	21	37	26.458	55	45	53.67	4	9010	JUPITER	6230	3	CB	3864
	4	24	7	33	36.7280	1	21	32	42.414	53	55	56.73	4	9010	JUPITER	6230	5	CB	3865
	4	24	9	33	34.4546	3	16	31	14.845	-10	8	23.43	4	9007	AREQUIPA	5651	10	SD	3854
	4	24	11	0	46.3944	1	12	22	17.028	28	0	15.79	4	9001	ORGAN PASS	5986	2	SS	3780
	4	24	11	0	54.3955	1	12	27	21.783	27	6	51.59	4	9001	ORGAN PASS	5986	4	SS	3781
	4	24	17	55	20.3968	3	12	39	23.949	39	53	10.54	4	9005	TOKYO	5740	9	CB	4516
	4	24	17	55	25.1959	3	12	44	46.914	39	14	34.48	4	9005	TOKYO	5740	11	CB	3862
	4	25	9	28	32.6251	1	9	12	9.883	78	36	56.55	4	9001	ORGAN PASS	6004	3	SS	3771
	4	25	9	28	36.6245	1	9	21	29.789	79	8	31.45	4	9001	ORGAN PASS	6004	5	SS	3772
	4	25	9	47	48.0443	3	15	3	42.251	-12	26	16.32	4	9007	AREQUIPA	5664	4	SD	4906
	4	25	9	48	0.0438	3	15	4	2.975	-15	21	35.13	4	9007	AREQUIPA	5664	7	SD	3859
	4	25	9	51	36.8038	3	15	44	42.538	- 6	44	51.92	4	9011	VILLA DOLO	5473	5	SJ	3852
	4	25	9	51	48.8037	3	15	44	19.828	- 9	19	57.56	4	9011	VILLA DOLO	5473	8	SS	1168
	4	25	9	52	17.5898	3	14	14	32.065	-72	25	53.47	4	9007	AREQUIPA	5665	7	CB	3863
	4	25	20	15	33.0758	10	15	37	50.446	-22	55	37.22	4	9003	WOOMERA	9254	3	OD	4909
	4	25	20	15	39.0758	10	15	37	18.752	-24	32	6.43	4	9003	WOOMERA	9254	6	OD	4910
	4	26	10	5	26.4003	3	13	55	39.500	-49	20	39.87	4	9007	AREQUIPA	5691	3	SD	3855
	4	26	10	5	42.4005	3	13	50	36.899	-51	53	31.87	4	9007	AREQUIPA	5691	7	SD	3856
	4	27	1	41	1.2373	1	22	51	38.670	-38	40	17.39	4	9002	OLIFANTS	7074	4	KA	3820
	4	27	1	41	13.2372	1	23	0	28.153	-40	1	42.23	4	9002	OLIFANTS	7074	7	KA	3821
	4	27	3	24	29.1406	1	14	30	24.198	-31	19	7.24	4	9002	OLIFANTS	7084	3	HB	3822
	4	27	3	24	49.1415	1	14	25	58.638	-35	31	50.78	4	9002	OLIFANTS	7084	8	HB	3823
	4	27	3	26	8.7956	1	13	58	4.486	-51	41	21.74	4	9002	OLIFANTS	7085	3	HB	3824
	4	27	3	26	16.7957	1	13	54	1.524	-53	11	18.05	4	9002	OLIFANTS	7085	5	HB	3825
	4	28	19	15	47.8340	1	17	51	13.750	-80	40	50.96	4	9003	WOOMERA	9290	3	HB	3830
	4	28	19	15	55.8338	1	18	13	7.569	-82	20	46.81	4	9003	WOOMERA	9290	7	HB	3831
	4	29	9	6	23.0720	3	14	16	31.029	-54	44	37.73	4	9011	VILLA DOLO	5499	5	HY	3840
	4	29	9	7	38.1558	3	13	4	45.261	-70	39	26.92	4	9011	VILLA DOLO	5500	4	HY	3841

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME	NO.	MS	OBS.NO.
1962	4	30	7	9	2.7937	1	22	4	44.498	57	17	33.67	4	9001	ORGAN PASS	6051	3	HY	4897
	5	1	7	21	58.8102	1	1	14	51.995	72	41	50.59	4	9001	ORGAN PASS	6070	4	RO	8152
	5	5	6	33	39.2498	1	0	51	43.327	74	28	57.56	4	9001	ORGAN PASS	6159	6	RO	7823
	5	5	6	33	43.2518	1	0	42	34.566	74	37	6.08	4	9001	ORGAN PASS	6159	7	RO	7824
	5	6	13	43	41.5877	3	20	41	13.620	67	29	21.79	4	9005	TOKYO	5850	5	GL	7697
	5	6	13	43	51.1699	3	20	25	40.205	65	46	5.75	4	9005	TOKYO	5850	7	GL	7698
	5	8	14	11	53.3402	3	8	50	43.539	69	4	21.69	4	9005	TOKYO	5881	3	GL	7699
	5	8	14	12	7.7475	3	9	24	47.059	69	30	35.27	4	9005	TOKYO	5881	6	GL	7700
	5	10	23	19	12.2395	3	10	19	50.339	70	32	13.58	4	9004	SAN FERNAN	5436	11	BN	7692
	5	10	23	19	24.2394	3	10	57	24.568	69	32	50.22	4	9004	SAN FERNAN	5436	17	BN	7693
	5	11	21	49	6.1798	3	18	37	7.365	39	22	14.85	4	9004	SAN FERNAN	5447	3	BN	7690
	5	11	21	49	22.1798	3	18	29	53.747	36	9	42.98	4	9004	SAN FERNAN	5447	7	BN	7691
	5	13	4	56	48.7781	1	0	52	39.139	77	22	28.29	4	9001	ORGAN PASS	6276	2	HC	7826
	5	13	4	56	56.7782	1	0	33	4.357	78	3	45.09	4	9001	ORGAN PASS	6276	4	HC	7827
	5	13	11	51	54.4730	3	20	15	50.417	64	8	55.02	4	9005	TOKYO	5910	3	GL	7702
	5	13	11	52	4.0441	3	20	1	55.134	62	55	38.37	4	9005	TOKYO	5910	5	GL	7703
	5	13	11	54	27.3978	3	18	7	1.518	35	26	4.22	4	9005	TOKYO	5911	7	HC	9343
	5	13	11	54	32.1940	3	18	5	10.665	34	24	17.84	4	9005	TOKYO	5911	8	HC	7695
	5	14	5	13	12.5349	10	12	54	24.577	79	0	27.55	4	9001	ORGAN PASS	6291	5	PK	7830
	5	14	5	13	16.5351	10	13	8	48.354	78	10	32.42	4	9001	ORGAN PASS	6291	7	PK	7831
	5	15	3	41	43.0209	1	18	56	54.551	48	27	59.65	4	9001	ORGAN PASS	6302	3	PK	8154
	5	15	3	41	47.0207	1	18	54	22.397	47	51	12.66	4	9001	ORGAN PASS	6302	4	PK	7833
	5	15	3	42	55.5806	1	18	20	4.618	36	40	25.11	4	9001	ORGAN PASS	6303	4	LT	7834
	5	15	3	43	3.5823	1	18	17	0.957	35	19	16.80	4	9001	ORGAN PASS	6303	6	LT	7835
	5	15	3	43	11.5848	1	18	14	7.036	33	57	57.53	4	9001	ORGAN PASS	6303	8	LT	7836
	5	15	5	27	40.9160	1	9	54	44.422	55	50	8.58	4	9001	ORGAN PASS	6309	7	RO	7837
	5	16	3	55	50.1685	1	18	56	12.219	60	26	36.44	4	9001	ORGAN PASS	6321	4	RO	7838
	5	16	3	55	54.1685	1	18	51	58.286	59	44	37.13	4	9001	ORGAN PASS	6321	6	RO	7839
	5	16	5	41	49.8345	1	9	9	45.024	36	1	32.04	4	9001	ORGAN PASS	6327	2	LT	7840
	5	16	5	41	53.8388	1	9	13	18.924	35	30	28.94	4	9001	ORGAN PASS	6327	4	LT	7841
	5	17	4	9	6.2175	1	22	42	21.588	82	18	6.39	4	9001	ORGAN PASS	6338	4	RO	7842
	5	17	4	9	14.2181	1	21	57	11.988	82	29	56.01	4	9001	ORGAN PASS	6338	6	RO	7843
	5	17	4	12	32.9129	1	16	29	55.590	33	46	52.77	4	9001	ORGAN PASS	6339	3	LT	7844
	5	17	4	12	36.9132	1	16	29	22.855	32	30	5.02	4	9001	ORGAN PASS	6339	5	LT	7845
	5	17	5	55	44.0157	1	8	47	14.516	25	24	39.81	4	9001	ORGAN PASS	6345	3	LT	7846
	5	17	5	55	56.0112	1	8	54	21.186	24	2	42.27	4	9001	ORGAN PASS	6345	6	LT	7847
	5	18	4	23	44.4952	1	6	58	59.173	76	46	18.22	4	9001	ORGAN PASS	6361	3	VD	7848
	5	18	4	23	46.4947	1	7	5	0.121	76	55	34.49	4	9001	ORGAN PASS	6361	4	VD	7849
	5	18	4	26	26.9191	1	13	59	40.542	44	55	40.40	4	9001	ORGAN PASS	6362	3	VD	8117
	5	18	4	26	32.9168	1	14	3	58.095	42	28	32.74	4	9001	ORGAN PASS	6362	6	VD	8118
	5	18	7	54	41.9546	1	12	56	22.196	83	2	48.58	4	9012	MAUI	6349	5	MW	7850
	5	18	7	54	53.9547	1	13	32	40.177	81	14	27.59	4	9012	MAUI	6349	8	MW	880
	5	20	6	38	14.9114	1	17	58	55.173	54	2	1.32	4	9012	MAUI	6368	3	HC	7682
	5	20	6	38	18.9113	1	17	56	56.169	53	21	53.28	4	9012	MAUI	6368	5	HC	7683
	5	20	20	29	51.4025	1	15	41	6.582	- 2	21	22.58	4	9004	SAN FERNAN	5496	5	BN	7688

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1962	5	20	20	30	7.4022	1	15	41	8.145	- 5	3	51.42	4	9004	SAN FERNAN	5496	9	BN	7689
	5	20	22	11	44.8741	1	8	48	50.303	18	16	5.66	4	9004	SAN FERNAN	5502	2	HC	7708
	5	21	6	52	24.7321	1	17	8	26.352	68	46	28.96	4	9012	MAUI	6385	5	PK	7852
	5	21	6	52	28.7320	1	17	5	37.552	67	59	44.58	4	9012	MAUI	6385	7	PK	7853
	5	21	6	53	59.8324	1	16	31	44.562	46	31	39.21	4	9012	MAUI	6386	4	GL	7680
	5	21	6	54	5.8325	1	16	30	42.413	44	54	30.81	4	9012	MAUI	6386	7	GL	7681
	5	21	8	38	38.9471	1	8	52	18.925	21	47	27.68	4	9012	MAUI	6389	7	PL	8083
	5	21	12	5	31.9073	3	11	19	53.200	-14	14	45.45	4	9005	TOKYO	5933	5	VD	9344
	5	22	7	6	14.5616	1	10	28	24.316	80	38	40.98	4	9012	MAUI	6403	4	VD	8081
	5	22	7	9	5.2969	1	14	19	33.042	37	8	51.39	4	9012	MAUI	6404	4	HC	881
	5	22	7	9	7.2969	1	14	20	23.981	36	22	23.19	4	9012	MAUI	6404	5	HC	8080
	5	23	2	8	19.6080	1	9	3	7.489	53	13	33.28	4	9010	JUPITER	6529	5	VD	8088
	5	23	2	8	23.6080	1	9	8	38.127	52	38	20.96	4	9010	JUPITER	6529	6	VD	8089
	5	23	7	23	25.9988	1	11	19	9.610	25	12	5.98	4	9012	MAUI	6424	2	HC	8877
	5	24	5	49	7.3193	1	17	41	22.314	62	37	0.55	4	9012	MAUI	6434	4	MW	8095
	5	24	5	50	47.4589	1	16	50	44.987	44	52	10.80	4	9012	MAUI	6435	7	MW	8876
	5	24	5	50	51.4589	1	16	49	30.984	44	3	44.84	4	9012	MAUI	6435	9	MW	8077
	5	24	7	35	35.6093	1	8	20	36.214	35	8	18.20	4	9012	MAUI	6442	3	MW	8075
	5	24	7	35	43.6094	1	8	25	43.375	34	1	22.07	4	9012	MAUI	6442	7	MW	8076
	5	24	7	38	37.7921	1	10	10	42.100	- 3	39	4.11	4	9012	MAUI	6443	8	HC	8074
	5	25	6	8	49.4788	1	15	35	58.595	- 6	1	45.70	4	9012	MAUI	6457	3	PL	8071
	5	25	6	8	55.4791	1	15	36	25.337	- 7	16	26.81	4	9012	MAUI	6457	6	PL	9346
	5	25	7	50	15.0242	1	8	15	24.922	19	7	32.82	4	9012	MAUI	6462	4	HC	8069
	5	25	7	50	19.0241	1	8	17	5.119	18	34	17.80	4	9012	MAUI	6462	6	HC	8070
	5	25	7	53	6.4898	1	9	22	53.021	- 9	50	34.41	4	9012	MAUI	6463	3	PK	7686
	5	25	7	53	10.4897	1	9	24	19.940	-10	35	4.33	4	9012	MAUI	6463	5	PK	7687
	5	26	6	19	36.8850	1	12	18	59.190	57	30	4.37	4	9012	MAUI	6474	7	VD	8086
	5	26	6	19	38.8850	1	12	20	57.487	56	54	45.21	4	9012	MAUI	6474	8	VD	8087
	5	26	6	23	51.2014	1	14	19	1.140	-25	29	22.26	4	9012	MAUI	6475	4	HC	9348
	5	26	6	23	55.2015	1	14	20	6.867	-26	13	31.29	4	9012	MAUI	6475	6	HC	9349
	5	27	6	34	17.8410	1	9	40	58.794	33	43	15.80	4	9012	MAUI	6490	11	PL	7684
	5	27	6	34	23.8409	1	9	46	22.911	32	4	58.41	4	9012	MAUI	6490	14	PL	9342
	5	28	3	15	6.4709	1	6	22	5.691	35	5	27.76	4	9001	ORGAN PASS	6468	5	PL	8113
	5	28	3	15	10.4724	1	6	24	40.947	34	47	33.34	4	9001	ORGAN PASS	6468	7	PL	8114
	5	29	7	5	33.1511	1	8	57	44.453	-19	40	23.87	4	9012	MAUI	6499	7	PL	8067
	5	29	7	5	35.1510	1	8	58	22.538	-20	0	39.26	4	9012	MAUI	6499	8	PL	8068
	5	31	0	43	54.0483	3	11	49	47.498	35	33	55.57	4	9007	AREQUIPA	6024	8	GL	7706
	5	31	0	44	2.0482	3	11	53	24.354	34	1	39.92	4	9007	AREQUIPA	6024	9	GL	7707
	6	1	20	38	7.9260	1	1	8	7.216	-69	4	15.59	4	9003	WOOMERA	9638	3	PL	172
	6	1	20	38	9.9260	1	1	8	18.950	-68	28	47.58	4	9003	WOOMERA	9638	4	PL	173
	6	1	23	26	13.4968	3	14	23	39.389	41	37	42.26	4	9007	AREQUIPA	6053	4	PG	49
	6	1	23	26	17.4965	3	14	24	52.589	41	0	36.51	4	9007	AREQUIPA	6053	5	PG	50
	6	1	23	27	54.9790	3	14	55	46.278	23	43	24.57	4	9007	AREQUIPA	6054	2	BO	51
	6	1	23	28	10.9784	3	15	1	5.021	20	32	4.57	4	9007	AREQUIPA	6054	6	BO	52
	6	2	1	12	0.2258	3	8	48	52.743	17	45	14.96	4	9007	AREQUIPA	6066	5	BO	865

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1962	6	2	3	33	15.3875	1	4	12	14.208	-70	43	24.33	4	9002	OLIFANTS	7706	5	PL	37
	6	2	3	33	27.3874	1	3	57	27.359	-68	46	49.15	4	9002	OLIFANTS	7706	8	PL	38
	6	2	3	34	49.8585	1	2	59	33.529	-51	39	59.55	4	9002	OLIFANTS	7707	2	HC	39
	6	2	3	35	9.8587	1	2	52	18.193	-46	46	49.70	4	9002	OLIFANTS	7707	7	HC	40
	6	2	3	38	35.1353	1	2	28	34.349	1	36	42.21	4	9002	OLIFANTS	7708	7	BN	41
	6	2	3	38	39.1351	1	2	28	34.481	2	20	29.63	4	9002	OLIFANTS	7708	8	BN	42
	6	2	9	53	23.5329	1	13	55	40.453	34	46	24.18	4	9003	WOOMERA	9642	3	PK	170
	6	2	9	53	31.5329	1	13	58	47.314	33	44	46.30	4	9003	WOOMERA	9642	5	PK	171
	6	2	23	41	22.5393	3	13	7	37.042	35	45	51.33	4	9007	AREQUIPA	6081	6	BO	866
	6	2	23	41	38.5392	3	13	15	13.051	32	25	1.36	4	9007	AREQUIPA	6081	10	BO	55
	6	2	23	45	39.3591	10	12	53	10.436	27	42	42.97	4	9011	VILLA DOLO	5756	4	BN	1403
	6	2	23	45	42.6508	3	15	30	17.741	-31	42	31.60	4	9007	AREQUIPA	6082	4	RO	388
	6	2	23	45	43.3610	10	12	55	0.064	27	4	44.44	4	9011	VILLA DOLO	5756	5	BN	1404
	6	2	23	45	50.6509	3	15	35	22.998	-33	14	22.62	4	9007	AREQUIPA	6082	6	RO	1681
	6	3	1	28	43.7833	3	8	20	10.633	-11	47	17.14	4	9007	AREQUIPA	6089	5	RO	386
	6	3	1	28	51.7830	3	8	19	58.774	-13	9	24.31	4	9007	AREQUIPA	6089	7	RO	387
	6	3	3	47	7.6843	1	17	55	32.613	-87	39	45.88	4	9002	OLIFANTS	7726	3	MW	859
	6	3	3	47	39.6838	1	23	19	53.915	-84	23	33.23	4	9002	OLIFANTS	7726	7	MW	1678
	6	3	8	57	16.3256	10	3	40	45.801	-56	2	11.64	4	9011	VILLA DOLO	5761	6	BN	1405
	6	3	8	57	20.3254	10	3	37	39.399	-55	19	9.76	4	9011	VILLA DOLO	5761	7	BN	1406
	6	3	9	0	50.8026	10	2	24	18.297	-13	10	34.03	4	9011	VILLA DOLO	5762	4	BN	1407
	6	3	9	1	2.8024	10	2	22	55.546	-11	2	50.99	4	9011	VILLA DOLO	5762	7	BN	1408
	6	3	19	20	16.7004	10	3	47	27.503	-55	49	44.24	4	9003	WOOMERA	9664	3	PK	168
	6	3	19	20	28.7000	10	3	38	32.141	-53	49	46.64	4	9003	WOOMERA	9664	6	PK	169
	6	3	19	23	48.9462	10	2	28	25.832	-15	51	27.72	4	9003	WOOMERA	9665	7	LT	167
	6	3	23	56	45.3336	3	11	21	25.597	14	34	3.34	4	9007	AREQUIPA	6104	9	BO	56
	6	4	0	0	58.9946	3	14	42	23.974	-61	42	47.25	4	9007	AREQUIPA	6105	4	BO	57
	6	4	0	1	10.9947	3	14	57	33.954	-63	10	19.76	4	9007	AREQUIPA	6105	7	BO	58
	6	4	10	24	35.1332	1	12	0	56.031	- 1	37	30.03	4	9003	WOOMERA	9678	8	MW	165
	6	4	10	24	37.1332	1	12	2	0.281	- 2	14	13.09	4	9003	WOOMERA	9678	9	MW	166
	6	4	22	29	2.9951	10	14	29	9.488	23	31	3.66	4	9011	VILLA DOLO	5782	3	BN	1401
	6	4	22	29	14.9934	10	14	33	36.101	21	50	2.48	4	9011	VILLA DOLO	5782	6	BN	1402
	6	4	22	32	18.2824	10	15	50	16.952	- 6	6	41.04	4	9011	VILLA DOLO	5783	4	YK	1399
	6	4	22	32	26.2824	10	15	53	58.546	- 7	17	5.51	4	9011	VILLA DOLO	5783	6	YK	1400
	6	5	8	52	51.8113	1	14	50	45.261	14	48	53.67	4	9003	WOOMERA	9695	5	GL	163
	6	5	8	52	55.8113	1	14	52	16.974	14	12	49.98	4	9003	WOOMERA	9695	6	GL	164
	6	5	8	55	43.6441	1	16	2	54.687	-10	54	5.53	4	9003	WOOMERA	9696	3	BN	161
	6	5	8	56	3.6438	1	16	12	1.538	-13	32	33.06	4	9003	WOOMERA	9696	8	BN	162
	6	5	9	29	32.4961	3	3	5	52.628	-50	22	1.77	4	9007	AREQUIPA	6115	3	BO	59
	6	5	9	29	36.4963	3	3	4	40.981	-49	40	6.11	4	9007	AREQUIPA	6115	4	BO	60
	6	5	10	37	0.4925	1	9	47	20.010	15	36	48.65	4	9003	WOOMERA	9700	3	VD	159
	6	5	10	37	2.4926	1	9	47	35.936	15	17	20.17	4	9003	WOOMERA	9700	4	VD	160
	6	5	10	40	2.8238	1	10	15	7.028	-31	27	58.35	4	9003	WOOMERA	9701	3	YK	178
	6	5	19	50	1.5664	1	23	47	53.119	-63	49	17.74	4	9003	WOOMERA	9712	2	VD	179
	6	5	19	50	17.5656	1	23	55	22.279	-58	26	34.12	4	9003	WOOMERA	9712	10	VD	180

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1962	6	6	0	23	38.4038	3	8	5	7.573	15	1	23.03	4	9007	AREQUIPA	6124	3	VD	5479
	6	6	0	23	50.4035	3	8	6	10.498	13	13	54.43	4	9007	AREQUIPA	6124	6	VD	5480
	6	6	0	27	9.4637	3	8	13	8.744	-26	41	46.65	4	9007	AREQUIPA	6125	7	RO	5485
	6	6	0	27	17.4638	3	8	12	51.139	-28	34	41.37	4	9007	AREQUIPA	6125	9	RO	5486
	6	6	2	44	14.3547	1	4	34	41.335	-78	15	24.38	4	9002	OLIFANTS	7789	5	HC	9933
	6	6	2	44	26.3549	1	4	5	28.080	-76	53	54.40	4	9002	OLIFANTS	7789	8	HC	9934
	6	6	9	7	5.6181	1	14	3	20.106	14	24	5.46	4	9003	WOOMERA	9716	6	GL	182
	6	6	9	11	16.5813	1	16	33	21.744	-30	26	43.49	4	9003	WOOMERA	9717	3	MW	183
	6	6	9	11	20.5812	1	16	35	57.360	-30	53	54.15	4	9003	WOOMERA	9717	4	MW	184
	6	6	10	51	39.3191	1	8	50	43.711	4	52	7.60	4	9003	WOOMERA	9724	5	RO	185
	6	6	10	51	41.3191	1	8	50	44.508	4	33	1.39	4	9003	WOOMERA	9724	6	RO	186
	6	6	17	45	26.3114	1	8	39	6.417	7	42	39.63	4	9002	OLIFANTS	7803	8	BN	9965
	6	6	17	45	34.3119	1	8	39	25.681	6	19	57.63	4	9002	OLIFANTS	7803	10	BN	371
	6	7	2	58	46.1492	1	17	24	43.775	-83	51	4.20	4	9002	OLIFANTS	7814	3	VD	19
	6	7	2	58	54.1490	1	18	15	56.973	-83	54	40.04	4	9002	OLIFANTS	7814	5	VD	20
	6	7	3	1	10.2783	1	23	35	59.301	-54	22	21.18	4	9002	OLIFANTS	7815	6	PL	9937
	6	7	3	1	12.2784	1	23	36	59.898	-53	40	38.39	4	9002	OLIFANTS	7815	7	PL	9938
	6	7	16	14	53.1071	1	12	51	4.983	18	44	55.44	4	9002	OLIFANTS	7816	7	MW	9957
	6	7	16	14	57.1069	1	12	53	14.542	17	50	8.78	4	9002	OLIFANTS	7816	8	MW	9958
	6	7	16	16	22.4396	1	13	44	23.171	- 4	15	39.13	4	9002	OLIFANTS	7817	8	HC	174
	6	7	16	16	24.4398	1	13	45	42.575	- 4	48	44.51	4	9002	OLIFANTS	7817	9	HC	175
	6	7	16	20	3.2339	1	16	35	1.383	-46	7	9.21	4	9002	OLIFANTS	7818	6	HC	9931
	6	7	16	20	7.2335	1	16	38	12.504	-46	25	58.85	4	9002	OLIFANTS	7818	7	HC	9932
	6	8	16	29	34.3519	1	11	3	48.033	6	43	50.68	4	9002	OLIFANTS	7842	8	LT	9943
	6	8	16	29	38.3518	1	11	5	47.012	5	33	6.11	4	9002	OLIFANTS	7842	9	LT	9944
	6	8	20	37	28.3197	1	20	16	0.940	30	53	32.16	4	9003	WOOMERA	9783	9	PL	9952
	6	9	3	28	27.5487	1	17	35	40.115	-37	14	26.04	4	9002	OLIFANTS	7862	11	PK	21
	6	9	3	28	35.5485	1	17	41	45.993	-36	9	3.61	4	9002	OLIFANTS	7862	13	PK	22
	6	9	3	30	31.1570	1	19	7	30.286	-12	47	41.12	4	9002	OLIFANTS	7863	5	MW	9955
	6	9	3	31	3.1566	1	19	29	19.617	- 4	19	55.70	4	9002	OLIFANTS	7863	13	MW	9956
	6	9	16	44	36.5741	1	9	12	20.273	-14	51	38.47	4	9002	OLIFANTS	7870	11	BN	9963
	6	9	16	44	44.5744	1	9	13	44.387	-17	27	10.36	4	9002	OLIFANTS	7870	12	BN	9964
	6	9	16	48	56.9318	1	14	32	8.603	-86	25	21.10	4	9002	OLIFANTS	7871	8	PK	23
	6	9	16	49	20.6843	1	18	8	48.199	-85	31	9.30	4	9002	OLIFANTS	7871	12	PK	24
	6	9	19	4	54.0152	1	23	41	2.468	5	25	47.78	4	9003	WOOMERA	9799	3	RO	9953
	6	9	19	4	57.9170	1	23	41	50.315	6	21	54.68	4	9003	WOOMERA	9799	5	RO	9954
	6	9	23	38	10.8838	3	7	27	41.196	-19	19	6.97	4	9007	AREQUIPA	6165	8	RO	5489
	6	10	2	2	27.0552	1	0	57	37.507	13	8	27.96	4	9002	OLIFANTS	7882	3	HC	9961
	6	10	2	2	31.0547	1	0	57	51.877	13	47	23.91	4	9002	OLIFANTS	7882	4	HC	9962
	6	10	3	44	28.1749	1	18	12	28.623	- 7	23	35.62	4	9002	OLIFANTS	7888	6	HC	9960
	6	10	3	46	29.3331	1	19	6	51.388	15	29	28.65	4	9002	OLIFANTS	7889	4	LT	9939
	6	10	3	46	33.3327	1	19	8	32.586	16	14	10.48	4	9002	OLIFANTS	7889	5	LT	9940
	6	10	16	59	38.0173	1	7	48	19.664	-27	16	39.42	4	9002	OLIFANTS	7896	4	MW	176
	6	10	16	59	58.0177	1	7	45	50.438	-32	19	3.41	4	9002	OLIFANTS	7896	9	MW	867
	6	10	17	3	15.1413	1	5	46	38.747	-74	29	42.44	4	9002	OLIFANTS	7897	3	LT	9941

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.	MS	OBS.NO.
1962	6	10	17	3	23.1411	1	5	32	1.495	-75	29	7.83	4	9002	OLIFANTS	7897 4	LT	9942
	6	11	2	16	18.6814	1	23	40	3.690	18	14	0.37	4	9002	OLIFANTS	7906 23	PL	9935
	6	11	2	17	15.2928	1	23	52	43.228	27	59	41.20	4	9002	OLIFANTS	7906 29	PL	9936
	6	11	9	11	10.1113	10	20	22	28.374	28	6	56.24	4	9011	VILLA DOLO	5931 8	YK	1397
	6	11	9	11	14.1133	10	20	24	25.285	28	45	18.54	4	9011	VILLA DOLO	5931 9	YK	1398
	6	11	10	23	35.6706	1	5	36	48.810	-59	53	57.53	4	9003	WOOMERA	9829 4	PG	45
	6	11	10	23	51.6705	1	5	20	58.922	-61	50	43.73	4	9003	WOOMERA	9829 8	PG	46
	6	11	17	14	25.2487	1	7	0	38.895	-29	55	17.35	4	9002	OLIFANTS	7917 5	VD	25
	6	11	17	14	37.2480	1	6	58	7.132	-32	8	1.36	4	9002	OLIFANTS	7917 8	VD	26
	6	11	19	34	40.1656	1	20	39	20.924	31	13	53.04	4	9003	WOOMERA	9837 6	PG	47
	6	11	19	34	56.1655	1	20	46	51.349	33	36	11.74	4	9003	WOOMERA	9837 10	PG	48
	6	13	9	2	47.8053	1	8	16	29.429	-24	48	48.07	4	9003	WOOMERA	9859 5	LT	393
	6	13	9	2	53.8051	1	8	16	33.924	-26	38	18.10	4	9003	WOOMERA	9859 8	LT	394
	6	13	22	53	59.4709	10	7	17	39.658	-19	30	18.91	4	9011	VILLA DOLO	5949 3	YK	1395
	6	13	22	54	15.4710	10	7	15	18.517	-22	51	5.29	4	9011	VILLA DOLO	5949 7	YK	1396
	6	16	14	1	47.2004	1	2	18	11.563	22	20	1.13	4	9012	MAUI	6651 5	VD	397
	6	16	14	1	51.2002	1	2	20	11.237	22	57	7.73	4	9012	MAUI	6651 7	VD	3928
	6	17	10	46	4.4315	1	23	41	23.716	-32	30	37.35	4	9001	ORGAN PASS	6661 6	RO	9487
	6	17	14	12	32.6521	1	23	13	36.378	-20	19	22.78	4	9012	MAUI	6669 6	HC	395
	6	17	14	12	34.6519	1	23	14	48.513	-19	46	32.29	4	9012	MAUI	6669 7	HC	396
	6	20	13	11	17.2516	1	0	34	33.404	0	21	53.23	4	9012	MAUI	6711 4	LT	206
	6	20	13	11	25.2517	1	0	38	34.799	2	14	24.60	4	9012	MAUI	6711 8	VD	207
	6	21	13	24	50.5331	1	22	42	49.025	- 4	50	49.59	4	9012	MAUI	6730 3	LT	204
	6	21	13	24	54.5330	1	22	45	36.528	- 3	28	38.80	4	9012	MAUI	6730 5	LT	205
	6	22	13	39	25.5058	1	20	14	21.541	12	54	31.59	4	9012	MAUI	6756 3	BN	196
	6	22	13	39	31.5059	1	20	17	37.013	15	28	48.98	4	9012	MAUI	6756 5	BN	197
	6	22	13	41	9.6099	1	21	35	22.192	54	45	35.70	4	9012	MAUI	6757 5	BN	194
	6	22	13	41	13.6099	1	21	40	1.946	55	59	2.23	4	9012	MAUI	6757 7	BN	195
	6	23	13	53	49.9656	1	18	1	35.864	19	54	17.94	4	9012	MAUI	6777 4	VD	192
	6	23	13	53	53.9657	1	18	1	45.170	21	12	6.04	4	9012	MAUI	6777 6	VD	193
	6	23	13	55	34.7829	1	18	0	9.961	53	55	18.73	4	9012	MAUI	6778 4	LT	202
	6	23	13	55	44.7829	1	17	59	3.432	56	49	55.68	4	9012	MAUI	6778 9	LT	1680
	6	24	12	24	30.9878	1	0	46	18.827	24	46	29.28	4	9012	MAUI	6796 4	PK	384
	6	24	12	24	38.9878	1	0	51	3.363	26	11	34.81	4	9012	MAUI	6796 8	PK	385
	6	24	14	8	17.6263	1	16	58	4.334	21	40	37.09	4	9012	MAUI	6804 6	PK	382
	6	24	14	8	19.6262	1	16	57	50.857	22	7	23.12	4	9012	MAUI	6804 7	PK	383
	6	24	14	9	38.3781	1	16	43	51.411	39	59	1.17	4	9012	MAUI	6805 4	GL	380
	6	24	14	9	46.3780	1	16	41	43.816	41	45	34.94	4	9012	MAUI	6805 8	GL	381
	6	25	23	2	44.5547	3	21	25	4.643	18	15	1.14	4	9008	SHIRAZ	8272 8	LT	1682
	6	25	23	2	46.5551	3	21	26	51.838	19	3	28.67	4	9008	SHIRAZ	8272 9	LT	390
	6	26	2	32	11.2699	1	23	56	23.247	10	18	36.85	4	9004	SAN FERNAN	5727 6	VD	157
	6	26	2	32	13.2695	1	23	58	1.278	10	45	41.79	4	9004	SAN FERNAN	5727 7	VD	158
	6	26	12	53	19.1504	1	20	52	46.115	67	21	15.02	4	9012	MAUI	6845 7	GL	378
	6	26	12	53	21.1503	1	20	55	43.995	67	49	33.03	4	9012	MAUI	6845 8	GL	379
	6	27	13	7	36.9028	1	16	51	1.456	59	55	52.06	4	9012	MAUI	6861 3	BN	200

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.	MS	OBS.NO.
1962	6	27	13	7	40.9029	1	16	49	38.986	60	55	45.63	4	9012	MAUI	6861 5	BN	201
	6	27	23	31	11.2743	3	17	4	19.977	22	57	14.64	4	9008	SHIRAZ	8319 8	RO	5483
	6	27	23	31	15.2752	3	17	3	43.732	24	3	4.21	4	9008	SHIRAZ	8319 10	RO	5484
	6	28	13	21	55.8432	1	15	44	36.705	47	58	32.78	4	9012	MAUI	6890 3	BN	198
	6	28	13	21	59.8433	1	15	43	3.530	48	44	54.67	4	9012	MAUI	6890 5	BN	199
	6	29	8	25	27.3348	1	0	25	25.097	28	8	31.40	4	9001	ORGAN PASS	6847 7	MW	863
	6	29	8	25	29.3346	1	0	27	6.323	28	28	38.83	4	9001	ORGAN PASS	6847 8	MW	29
	6	29	10	8	38.2742	1	16	40	37.427	16	16	2.85	4	9001	ORGAN PASS	6856 4	MW	864
	6	29	10	10	10.1592	1	16	17	4.748	37	36	33.61	4	9001	ORGAN PASS	6857 4	PL	30
	6	29	10	10	18.1607	1	16	13	52.782	39	33	10.07	4	9001	ORGAN PASS	6857 8	PL	1679
	6	29	10	13	50.1039	1	11	40	10.430	72	10	46.75	4	9001	ORGAN PASS	6858 8	PL	32
	6	30	8	39	39.5965	1	23	31	42.269	47	34	19.55	4	9001	ORGAN PASS	6871 2	GL	33
	6	30	8	39	43.5973	1	23	37	43.083	48	19	34.43	4	9001	ORGAN PASS	6871 4	GL	34
	7	2	9	7	17.1262	1	16	35	10.216	41	56	6.93	4	9001	ORGAN PASS	6895 4	LE	3683
	7	2	9	7	19.1256	1	16	34	38.007	42	35	26.15	4	9001	ORGAN PASS	6895 5	LE	3684
	7	4	7	51	31.8101	1	23	13	2.663	56	12	46.29	4	9001	ORGAN PASS	6928 3	WS	3681
	7	4	7	51	35.8105	1	23	20	13.822	56	45	13.28	4	9001	ORGAN PASS	6928 5	WS	3682
	7	13	23	46	41.2672	1	15	34	50.833	35	33	21.74	4	9004	SAN FERNAN	5974 8	NG	3312
	7	13	23	46	46.0690	1	15	34	45.010	37	21	40.42	4	9004	SAN FERNAN	5974 10	NG	3313
	7	13	23	48	17.6505	1	15	19	45.306	71	6	4.30	4	9004	SAN FERNAN	5975 3	LE	3314
	7	13	23	48	24.8514	1	15	15	44.352	73	24	45.31	4	9004	SAN FERNAN	5975 6	LE	3934
	7	14	22	16	33.4447	1	21	50	20.965	23	54	30.41	4	9004	SAN FERNAN	5986 5	LE	2837
	7	14	22	16	45.4467	1	22	0	46.846	25	56	10.44	4	9004	SAN FERNAN	5986 10	LE	2838
	7	15	22	30	49.2833	1	21	4	16.921	41	54	54.17	4	9004	SAN FERNAN	6002 3	WS	3286
	7	15	22	30	55.2833	1	21	13	2.208	43	7	53.06	4	9004	SAN FERNAN	6002 6	WS	3287
	7	17	22	33	54.8300	1	19	57	52.062	-37	9	13.53	4	9011	VILLA DOLO	6168 4	WS	3218
	7	17	22	34	10.8292	1	19	52	11.809	-34	17	44.35	4	9011	VILLA DOLO	6168 8	WS	4133
	7	17	22	57	36.2873	1	14	40	0.384	23	0	7.00	4	9004	SAN FERNAN	6038 3	WS	3288
	7	18	0	18	21.0353	1	11	7	25.875	-52	39	1.40	4	9011	VILLA DOLO	6174 3	VE	3451
	7	18	0	18	31.0352	1	11	21	19.743	-51	33	57.58	4	9011	VILLA DOLO	6174 8	VE	3452
	7	18	22	44	39.7459	1	0	28	34.892	-73	39	44.35	4	9011	VILLA DOLO	6185 4	VE	3220
	7	18	22	44	55.7453	1	23	54	0.341	-73	48	27.23	4	9011	VILLA DOLO	6185 8	VE	3221
	7	18	22	47	3.3297	1	20	12	17.159	-59	41	52.02	4	9011	VILLA DOLO	6186 2	SS	3195
	7	18	22	47	15.3293	1	20	1	51.606	-57	14	44.18	4	9011	VILLA DOLO	6186 5	SS	4124
	7	19	0	31	57.9289	1	10	15	32.760	-37	49	3.91	4	9011	VILLA DOLO	6192 2	SS	3193
	7	19	0	32	5.9292	1	10	21	37.413	-37	4	53.77	4	9011	VILLA DOLO	6192 4	SS	3194
	7	19	9	10	59.8685	3	19	42	48.461	-48	2	24.15	4	9003	WOOMERA	10174 4	FI	3272
	7	19	9	11	15.8687	3	19	34	52.304	-44	31	25.45	4	9003	WOOMERA	10174 8	FI	3273
	7	19	23	2	6.0607	1	18	6	48.378	-62	21	27.91	4	9011	VILLA DOLO	6202 2	SS	3191
	7	19	23	2	16.0605	1	18	4	0.630	-59	10	54.80	4	9011	VILLA DOLO	6202 7	SS	3192
	7	20	0	46	49.4380	1	10	37	33.512	-22	2	17.73	4	9011	VILLA DOLO	6206 4	SS	3189
	7	20	0	47	1.4382	1	10	44	2.375	-20	35	55.12	4	9011	VILLA DOLO	6206 7	SS	3190
	7	20	0	50	42.3664	3	11	59	6.935	-45	26	28.51	4	9007	AREQUIPA	6571 4	HB	3206
	7	20	0	50	54.3667	3	12	9	12.029	-43	26	50.20	4	9007	AREQUIPA	6571 7	HB	3207
	7	20	16	39	37.8236	1	13	20	37.024	- 6	50	11.27	4	9006	NAIN TAL	4740 3	WS	3520

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME	NO.	MS	OBS.NO.
1962	7	20	16	39	49.8235	1	13	20	22.778	- 4	57	15.39	4	9006	NAIN TAL	4740	6	WS	7290
	7	20	16	45	52.5249	1	10	19	54.163	71	38	52.09	4	9006	NAIN TAL	4741	5	WS	3522
	7	20	16	46	4.5252	1	9	55	21.977	72	46	35.25	4	9006	NAIN TAL	4741	8	WS	3523
	7	21	1	4	17.9145	3	10	56	0.429	-32	58	59.62	4	9007	AREQUIPA	6584	3	HB	3208
	7	21	1	4	21.9148	3	10	57	57.727	-32	28	43.51	4	9007	AREQUIPA	6584	4	HB	3209
	7	21	1	6	34.7459	3	12	1	8.360	- 8	58	48.25	4	9007	AREQUIPA	6585	5	HB	4127
	7	21	1	6	42.7457	3	12	4	47.104	- 7	9	38.35	4	9007	AREQUIPA	6585	7	HB	3211
	7	21	1	11	10.9220	3	13	55	13.683	49	49	18.77	4	9007	AREQUIPA	6586	6	HB	3212
	7	21	1	11	18.9220	3	13	58	18.090	50	56	31.60	4	9007	AREQUIPA	6586	8	HB	4125
	7	21	9	39	40.0311	3	14	37	15.660	-64	21	14.14	4	9003	WOOMERA	10195	3	FI	3274
	7	21	9	39	48.0307	3	14	49	15.723	-61	52	50.88	4	9003	WOOMERA	10195	7	FI	3275
	7	21	16	40	27.6431	1	18	6	31.141	14	30	13.57	4	9002	OLIFANTS	8333	12	FI	3453
	7	21	23	34	7.2440	3	17	45	41.806	-58	19	40.98	4	9007	AREQUIPA	6594	4	FI	3214
	7	21	23	34	15.2438	3	17	46	35.724	-56	8	47.48	4	9007	AREQUIPA	6594	8	FI	3215
	7	22	22	27	56.1552	1	8	18	3.212	70	2	52.45	4	9004	SAN FERNAN	6093	4	LE	3316
	7	22	22	28	12.1556	1	7	45	45.487	70	3	25.32	4	9004	SAN FERNAN	6093	8	LE	3317
	7	22	23	45	2.0675	1	10	46	33.228	-22	44	33.31	4	9011	VILLA DOLO	6232	4	HB	3299
	7	22	23	45	14.0680	1	10	55	12.659	-20	37	46.09	4	9011	VILLA DOLO	6232	7	HB	3300
	7	22	23	49	19.4380	3	14	42	16.867	-41	32	49.45	4	9007	AREQUIPA	6607	6	WS	3216
	7	22	23	49	29.4378	3	14	50	52.106	-37	53	41.49	4	9007	AREQUIPA	6607	10	WS	3217
	7	22	23	57	8.2276	1	17	55	11.067	-27	29	58.78	4	9009	CURACAO	5613	2	FI	3289
	7	22	23	57	12.2276	1	17	57	4.084	-26	25	43.81	4	9009	CURACAO	5613	4	FI	3290
	7	23	1	44	49.3248	1	14	50	59.448	-26	22	53.82	4	9010	JUPITER	7070	7	HB	3687
	7	23	1	44	53.3260	1	14	52	17.344	-25	39	59.86	4	9010	JUPITER	7070	8	HB	3688
	7	23	20	52	2.7857	1	16	51	23.582	14	33	8.94	4	9004	SAN FERNAN	6097	6	HB	3318
	7	23	20	52	6.7857	1	16	54	50.643	16	2	23.01	4	9004	SAN FERNAN	6097	8	HB	3319
	7	23	22	38	41.5540	1	12	9	51.946	30	54	54.74	4	9004	SAN FERNAN	6103	5	NG	3308
	7	23	22	38	49.5538	1	12	7	0.312	32	17	45.24	4	9004	SAN FERNAN	6103	7	NG	3309
	7	24	0	12	3.9150	1	15	52	24.633	-10	51	50.33	4	9009	CURACAO	5631	6	FI	3291
	7	24	0	12	5.9151	1	15	53	39.954	-10	5	15.86	4	9009	CURACAO	5631	7	FI	3292
	7	24	7	8	55.7771	1	12	25	36.547	-13	44	32.53	4	9012	MAUI	7145	4	HB	3450
	7	24	7	9	7.7773	1	12	26	12.157	-11	49	33.67	4	9012	MAUI	7145	7	HB	3204
	7	24	10	21	47.9069	3	10	4	27.598	-19	59	8.62	4	9003	WOOMERA	10233	5	FI	3276
	7	24	10	21	55.9068	3	10	8	40.032	-18	58	9.50	4	9003	WOOMERA	10233	7	FI	3277
	7	25	0	16	37.4708	3	10	38	24.996	-23	20	7.59	4	9007	AREQUIPA	6635	4	FI	3282
	7	25	0	16	49.4710	3	10	43	41.944	-21	24	42.94	4	9007	AREQUIPA	6635	7	FI	3283
	7	25	0	26	22.1325	1	13	16	33.825	0	55	55.72	4	9009	CURACAO	5636	5	HB	3293
	7	25	0	26	26.1323	1	13	17	40.788	2	18	12.35	4	9009	CURACAO	5636	7	HB	3454
	7	26	0	40	48.8070	1	11	57	19.930	9	25	12.95	4	9009	CURACAO	5649	3	HB	3295
	7	26	0	41	0.8067	1	11	57	58.514	12	21	51.76	4	9009	CURACAO	5649	6	HB	3296
	7	28	23	29	48.1777	1	10	37	12.659	- 2	55	58.36	4	9007	AREQUIPA	6673	2	FI	3278
	7	28	23	29	57.6252	1	10	40	46.068	- 0	59	35.59	4	9007	AREQUIPA	6673	4	FI	3279
	7	30	10	49	59.5233	1	5	54	19.112	51	9	29.16	4	9001	ORGAN PASS	7242	4	WS	4134
	7	30	10	50	5.5235	1	5	50	44.379	49	53	21.35	4	9001	ORGAN PASS	7242	7	WS	3677
	7	31	9	28	26.9883	1	4	6	29.973	24	33	0.70	4	9009	CURACAO	5700	5	HB	3297

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME	NO.	MS	OBS.NO.
1962	7	31	9	28	28.9885	1	4	6	58.410	23	53	34.85	4	9009	CURACAO	5700	6	HB	3298
	7	31	9	35	51.0057	1	5	53	46.724	16	35	56.42	4	9007	AREQUIPA	6697	5	FI	3280
	7	31	9	35	59.0055	1	5	55	46.431	15	17	54.41	4	9007	AREQUIPA	6697	7	FI	3281
	8	1	9	51	29.2532	1	5	40	36.871	- 1	20	20.64	4	9007	AREQUIPA	6717	3	HC	5890
	8	1	9	51	49.2519	1	5	48	45.677	- 5	35	36.90	4	9007	AREQUIPA	6717	8	HC	4523
	8	2	9	49	20.3317	1	20	42	32.608	62	15	37.61	4	9010	JUPITER	7215	6	BA	4245
	8	2	9	49	24.3322	1	20	48	45.951	62	0	1.34	4	9010	JUPITER	7215	7	BA	4246
	8	2	10	10	5.4805	1	4	27	26.462	-11	57	12.23	4	9011	VILLA DOLO	6321	6	DM	4531
	8	2	10	10	9.4804	1	4	30	39.799	-13	7	6.41	4	9011	VILLA DOLO	6321	8	DM	4532
	8	2	20	32	39.9595	3	4	19	17.383	- 7	17	27.69	4	9003	WOOMERA	10348	3	DM	4223
	8	2	20	32	43.9596	3	4	22	17.435	- 8	25	46.49	4	9003	WOOMERA	10348	5	DM	6409
	8	2	23	40	46.8156	3	4	39	18.849	32	3	51.28	4	9008	SHIRAZ	8908	3	LT	4231
	8	2	23	40	58.8152	3	4	36	46.412	29	13	41.56	4	9008	SHIRAZ	8908	6	LT	4232
	8	3	8	20	16.9026	1	4	58	0.136	33	14	1.47	4	9010	JUPITER	7219	6	RO	4247
	8	3	10	2	3.2837	1	4	51	10.474	45	54	49.13	4	9001	ORGAN PASS	7267	7	DM	4455
	8	3	10	2	5.2836	1	4	50	16.955	45	26	29.55	4	9001	ORGAN PASS	7267	8	DM	4456
	8	3	18	41	59.0795	3	22	31	37.356	38	3	36.54	4	9005	TOKYO	6235	15	BO	6928
	8	3	18	42	1.0796	3	22	34	8.189	37	30	40.53	4	9005	TOKYO	6235	16	BO	6929
	8	4	8	34	9.4620	1	4	4	30.531	46	33	42.64	4	9010	JUPITER	7229	5	BA	5889
	8	4	8	34	11.4622	1	4	4	5.380	45	59	42.03	4	9010	JUPITER	7229	6	BA	4249
	8	4	8	47	53.1034	1	5	18	52.404	11	22	18.09	4	9007	AREQUIPA	6756	3	HC	4524
	8	4	8	48	1.1036	1	5	21	6.300	9	59	26.00	4	9007	AREQUIPA	6756	5	HC	4525
	8	5	8	48	27.5152	1	1	27	52.802	52	39	53.59	4	9010	JUPITER	7235	3	VD	4243
	8	5	8	48	31.5157	1	1	30	33.161	51	17	6.39	4	9010	JUPITER	7235	5	VD	4244
	8	5	9	2	21.8176	1	4	36	37.297	6	26	35.89	4	9007	AREQUIPA	6766	6	DU	4526
	8	5	9	2	37.8173	1	4	43	28.032	2	39	4.89	4	9007	AREQUIPA	6766	10	DU	4527
	8	5	10	31	21.8392	1	0	32	53.199	41	45	15.79	4	9001	ORGAN PASS	7287	5	HC	4453
	8	5	10	31	25.8428	1	0	36	22.537	40	14	20.90	4	9001	ORGAN PASS	7287	7	HC	4454
	8	6	8	58	30.9997	1	5	5	23.365	48	4	30.01	4	9001	ORGAN PASS	7296	7	BN	4451
	8	6	8	58	32.9997	1	5	4	14.221	47	43	25.17	4	9001	ORGAN PASS	7296	8	BN	4452
	8	6	9	3	31.1992	1	23	6	23.283	25	15	40.10	4	9010	JUPITER	7238	6	DU	4241
	8	6	9	3	33.1994	1	23	8	10.350	24	35	31.93	4	9010	JUPITER	7238	7	DU	4242
	8	6	9	8	28.7906	1	22	15	31.055	5	39	33.41	4	9009	CURACAO	5752	6	MY	4237
	8	6	9	8	38.7904	1	22	20	10.887	2	57	22.96	4	9009	CURACAO	5752	11	MY	4238
	8	6	9	16	31.1576	1	2	56	11.065	2	20	16.75	4	9007	AREQUIPA	6782	2	DM	4528
	8	6	9	21	23.5586	1	3	18	27.840	-10	5	41.67	4	9011	VILLA DOLO	6372	3	RO	4253
	8	6	9	21	29.5586	1	3	23	7.651	-11	56	49.24	4	9011	VILLA DOLO	6372	6	RO	4254
	8	6	10	45	40.4681	1	22	8	51.906	26	10	54.76	4	9001	ORGAN PASS	7298	3	BN	4449
	8	6	10	45	46.4679	1	22	14	44.722	24	28	55.47	4	9001	ORGAN PASS	7298	6	BN	4450
	8	7	9	13	23.0309	1	4	8	37.119	50	43	57.79	4	9001	ORGAN PASS	7307	3	MY	4447
	8	7	9	13	29.0312	1	4	5	38.852	49	14	47.08	4	9001	ORGAN PASS	7307	6	MY	4448
	8	7	9	17	43.8195	1	21	28	55.009	12	24	14.55	4	9010	JUPITER	7242	4	MY	4239
	8	7	9	17	45.8197	1	21	30	14.821	11	56	3.37	4	9010	JUPITER	7242	5	MY	4240
	8	7	9	30	41.1469	1	0	21	7.330	- 4	46	32.12	4	9007	AREQUIPA	6794	4	RO	4250
	8	7	10	59	54.1787	1	21	0	33.090	13	28	22.62	4	9001	ORGAN PASS	7308	2	PG	4219

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.	MS	OBS.NO.
1962	8	7	10	59	58.1803	1	21	3	17.130	12	40	5.13	4	9001	ORGAN PASS	7308 4	PG	4220
	8	8	9	28	23.6053	1	2	12	5.384	47	11	20.04	4	9001	ORGAN PASS	7317 3	VD	4459
	8	8	9	28	29.6053	1	2	12	40.848	45	3	54.54	4	9001	ORGAN PASS	7317 6	VD	4460
	8	8	11	14	17.8601	1	20	34	43.195	4	37	6.42	4	9001	ORGAN PASS	7320 3	MY	4445
	8	8	11	14	21.8601	1	20	36	38.539	4	0	9.00	4	9001	ORGAN PASS	7320 5	MY	4446
	8	8	20	13	29.1638	3	23	7	29.173	-35	33	0.79	4	9003	WOOMERA	10420 3	DM	5887
	8	8	20	13	39.1633	3	23	7	8.685	-38	45	12.10	4	9003	WOOMERA	10420 8	DM	4225
	8	9	9	40	34.7496	1	19	13	10.369	68	5	8.63	4	9001	ORGAN PASS	7333 3	DM	4461
	8	9	9	40	42.7500	1	19	31	10.717	67	46	25.13	4	9001	ORGAN PASS	7333 7	DM	4462
	8	9	10	2	0.3712	1	21	21	5.409	-45	26	46.67	4	9007	AREQUIPA	6815 9	DM	4529
	8	9	10	2	8.3717	1	21	19	20.776	-46	57	28.82	4	9007	AREQUIPA	6815 11	DM	4530
	8	9	16	34	56.5194	3	1	59	42.767	79	38	45.96	4	9005	TOKYO	6283 10	RO	6882
	8	9	16	35	4.5197	3	1	58	27.162	77	28	2.75	4	9005	TOKYO	6283 12	RO	6883
	8	10	8	9	40.3595	1	4	39	15.461	53	49	1.72	4	9001	ORGAN PASS	7348 5	PG	4221
	8	10	8	9	44.3625	1	4	36	21.096	53	7	20.33	4	9001	ORGAN PASS	7348 7	PG	4222
	8	10	16	48	25.2824	3	17	46	38.573	68	55	12.70	4	9005	TOKYO	6295 4	RO	7278
	8	10	18	58	43.3457	3	5	44	27.846	-54	36	35.36	4	9003	WOOMERA	10433 4	BA	4226
	8	10	18	58	51.3456	3	5	55	22.105	-55	17	56.03	4	9003	WOOMERA	10433 6	BA	4227
	8	11	19	13	38.8940	3	6	5	26.429	-78	34	58.48	4	9003	WOOMERA	10449 5	BA	5888
	8	11	19	13	42.8938	3	6	20	48.012	-78	31	13.41	4	9003	WOOMERA	10449 6	BA	4228
	8	13	9	19	39.9545	1	19	13	10.392	-65	59	27.54	4	9011	VILLA DOLO	6422 6	RO	4251
	8	13	9	19	47.9544	1	19	2	0.366	-66	58	12.66	4	9011	VILLA DOLO	6422 8	RO	4252
	8	13	15	45	45.1480	3	17	11	38.163	86	18	8.36	4	9005	TOKYO	6330 9	RO	6886
	8	13	19	42	27.6195	3	19	10	48.623	-66	31	25.91	4	9003	WOOMERA	10469 3	LT	4229
	8	13	19	42	35.6193	3	18	59	38.901	-67	30	49.00	4	9003	WOOMERA	10469 5	LT	4230
	9	2	20	21	21.7751	1	1	52	58.984	74	25	45.97	4	9004	SAN FERNAN	6447 5	SE	8317
	9	2	20	21	29.7751	1	1	33	6.897	73	19	1.43	4	9004	SAN FERNAN	6447 7	SE	8318
	9	3	1	37	21.9531	1	23	49	24.099	48	46	18.95	4	9010	JUPITER	7355 3	KA	8315
	9	3	1	37	25.9535	1	23	47	59.127	47	48	52.51	4	9010	JUPITER	7355 4	KA	8316
	9	3	3	20	57.9946	1	22	59	2.265	34	16	51.79	4	9001	ORGAN PASS	7527 3	TJ	7958
	9	3	3	21	7.9947	1	22	57	36.342	31	25	23.51	4	9001	ORGAN PASS	7527 8	TJ	9514
	9	3	6	48	17.8311	1	1	19	27.406	72	47	54.83	4	9012	MAUI	7478 6	SE	8330
	9	3	15	28	18.5445	1	20	4	53.859	57	44	30.93	4	9006	NAIN TAL	4785 11	CB	7967
	9	3	15	28	31.9633	1	20	17	15.493	53	19	10.23	4	9006	NAIN TAL	4785 16	HB	7968
	9	4	3	31	42.8214	1	12	22	3.199	78	26	58.40	4	9001	ORGAN PASS	7543 6	WS	7960
	9	6	0	36	39.4573	1	0	4	51.097	71	7	49.77	4	9009	CURACAO	5906 2	SE	8319
	9	6	0	36	55.4578	1	23	56	17.720	68	57	25.74	4	9009	CURACAO	5906 6	SE	2947
	9	6	5	46	14.0310	1	0	29	35.639	56	46	14.99	4	9012	MAUI	7503 4	TJ	4756
	9	6	5	46	20.0311	1	0	26	24.843	55	53	20.39	4	9012	MAUI	7503 7	TJ	8276
	9	6	5	48	30.4631	1	23	43	57.056	33	38	58.68	4	9012	MAUI	7504 8	CB	8275
	9	7	6	3	6.8446	1	22	54	0.211	35	20	31.05	4	9012	MAUI	7523 2	SE	8328
	9	7	6	3	10.8446	1	22	53	36.677	34	19	25.19	4	9012	MAUI	7523 4	SE	8329
	9	7	16	22	57.3991	1	18	7	0.733	66	43	16.08	4	9008	SHIRAZ	9205 11	NG	8301
	9	8	6	18	7.6575	1	21	14	38.186	25	30	11.10	4	9012	MAUI	7537 3	SE	8273
	9	8	6	18	11.6574	1	21	15	39.436	24	5	24.99	4	9012	MAUI	7537 5	SE	8274

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.	MS	OBS.NO.
1962	9	9	6	33	52.4088	1	19	26	38.008	-11	53	16.44	4	9012	MAUI	7557 2	SE	8258
	9	9	6	33	54.4087	1	19	27	39.089	-12	28	21.23	4	9012	MAUI	7557 3	SE	9517
	9	12	0	19	15.8797	1	16	59	53.825	46	18	56.12	4	9009	CURACAO	5952 2	KA	9860
	9	12	0	19	19.8799	1	17	3	11.236	45	26	43.20	4	9009	CURACAO	5952 3	KA	336
	9	12	5	28	13.5092	1	19	27	59.467	54	43	58.35	4	9012	MAUI	7581 4	BZ	8256
	9	12	5	28	17.5092	1	19	30	34.826	53	31	11.43	4	9012	MAUI	7581 6	BZ	8257
	9	15	9	51	37.8317	1	21	42	51.067	24	30	57.19	4	9003	WOOMERA	10801 3	SS	8283
	9	15	9	51	57.8319	1	21	50	53.928	21	31	46.61	4	9003	WOOMERA	10801 8	SS	8284
	9	16	10	7	32.9438	1	21	31	21.965	5	26	1.50	4	9003	WOOMERA	10818 2	SS	8285
	9	16	10	7	42.9439	1	21	37	31.731	3	8	35.61	4	9003	WOOMERA	10818 7	SS	8286
	9	16	11	54	19.1222	1	15	50	3.531	-29	26	58.22	4	9003	WOOMERA	10823 8	WS	8287
	9	16	11	54	23.1219	1	15	49	9.160	-30	21	23.08	4	9003	WOOMERA	10823 9	WS	8288
	9	16	23	59	18.7624	1	20	1	45.773	- 7	11	3.95	4	9011	VILLA DOLO	6679 7	MJ	8304
	9	16	23	59	22.7624	1	20	4	37.251	- 8	28	4.69	4	9011	VILLA DOLO	6679 9	MJ	9519
	9	17	10	21	55.9577	1	19	57	55.632	- 3	7	20.79	4	9003	WOOMERA	10829 3	LE	9859
	9	17	10	22	3.9576	1	20	3	27.656	- 5	36	26.38	4	9003	WOOMERA	10829 7	LE	8289
	9	18	10	37	20.5659	1	18	13	28.170	-36	9	17.50	4	9003	WOOMERA	10842 3	LE	8290
	9	18	10	37	28.5657	1	18	17	45.507	-39	14	47.43	4	9003	WOOMERA	10842 7	LE	8291
	9	18	19	47	4.9581	1	8	16	13.894	-51	16	52.79	4	9003	WOOMERA	10854 3	PB	8292
	9	18	19	47	12.9578	1	8	14	50.863	-48	29	10.21	4	9003	WOOMERA	10854 7	SC	8293
	9	19	0	28	19.6786	1	16	8	46.323	-25	14	31.75	4	9011	VILLA DOLO	6706 3	MJ	8307
	9	19	0	28	23.6784	1	16	8	25.016	-26	22	10.11	4	9011	VILLA DOLO	6706 5	MJ	8308
	9	19	2	41	48.6016	1	10	28	6.752	-62	59	32.74	4	9002	OLIFANTS	9324 4	HB	9515
	9	19	2	42	4.6014	1	10	14	16.976	-60	1	12.32	4	9002	OLIFANTS	9324 8	HB	8263
	9	19	10	51	51.7434	1	16	2	12.819	-38	30	2.49	4	9003	WOOMERA	10856 3	SC	8294
	9	19	10	52	11.7428	1	15	58	48.450	-44	35	44.12	4	9003	WOOMERA	10856 13	SC	8295
	9	20	2	55	28.1991	1	10	22	54.864	-86	29	30.65	4	9002	OLIFANTS	9341 5	HB	8264
	9	20	2	55	40.1993	1	9	18	2.376	-84	35	30.58	4	9002	OLIFANTS	9341 8	HB	8265
	9	20	3	1	19.9755	1	8	9	32.474	13	28	12.32	4	9002	OLIFANTS	9342 5	HB	8266
	9	20	3	1	31.9752	1	8	10	41.689	15	41	49.84	4	9002	OLIFANTS	9342 8	HB	8267
	9	20	23	11	37.5556	1	19	36	15.892	-25	53	51.13	4	9011	VILLA DOLO	6725 9	HB	8309
	9	22	23	40	29.4698	1	15	11	28.872	-35	26	19.69	4	9011	VILLA DOLO	6762 3	KA	8310
	9	22	23	40	35.4696	1	15	10	11.461	-37	6	42.16	4	9011	VILLA DOLO	6762 6	KA	8311
	9	23	8	49	53.1697	1	3	14	46.991	-41	52	29.11	4	9011	VILLA DOLO	6772 3	HB	9520
	9	25	17	55	28.9893	1	8	11	41.251	-50	5	15.28	4	9003	WOOMERA	10909 7	NG	8296
	9	25	19	41	59.3929	1	0	55	8.112	- 7	54	46.22	4	9003	WOOMERA	10913 3	NG	8297
	9	25	19	42	11.3923	1	1	2	40.184	- 5	26	1.17	4	9003	WOOMERA	10913 6	NG	8298
	9	26	1	9	38.5841	1	8	42	18.101	- 9	20	40.16	4	9008	SHIRAZ	9450 8	BZ	8302
	9	26	1	9	50.5851	1	8	48	17.669	- 7	0	22.86	4	9008	SHIRAZ	9450 11	BZ	9518
	9	26	7	46	53.9974	1	5	19	17.794	-54	35	30.41	4	9011	VILLA DOLO	6801 4	HB	8313
	9	26	7	46	57.9973	1	5	21	45.517	-52	59	57.76	4	9011	VILLA DOLO	6801 6	HB	8314
	9	26	7	50	40.5752	1	8	36	40.096	-31	35	54.67	4	9007	AREQUIPA	7124 3	PB	8271
	9	26	7	51	0.5751	1	8	34	5.661	-27	31	27.91	4	9007	AREQUIPA	7124 8	PB	8272
	9	26	9	37	1.9694	1	1	43	57.612	- 4	10	13.71	4	9007	AREQUIPA	7129 3	WS	9516
	9	26	9	48	44.5043	1	9	0	8.550	- 2	30	22.47	4	9010	JUPITER	7498 3	WS	8326

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME	NO.	MS	OBS.NO.
1962	9	26	9	48	56.5039	1	9	5	50.907	- 0	11	55.23	4	9010	JUPITER	7498	6	WS	9521
	9	27	1	4	39.9432	1	9	6	32.506	-70	38	52.08	4	9002	OLIFANTS	9460	4	NG	8299
	9	30	10	45	5.2980	1	8	14	40.669	- 5	56	37.67	4	9001	ORGAN PASS	7730	3	BZ	7965
	9	30	10	45	13.2979	1	8	18	41.578	- 4	30	30.62	4	9001	ORGAN PASS	7730	7	BZ	7966
	9	30	14	9	33.6748	1	7	14	50.052	-10	40	57.37	4	9012	MAUI	7773	3	KA	8254
	9	30	14	9	39.6746	1	7	18	8.391	- 9	3	12.85	4	9012	MAUI	7773	6	KA	8255
	10	2	14	40	21.4017	1	3	33	29.238	56	55	35.04	4	9012	MAUI	7806	3	VD	541
	10	2	14	40	31.4017	1	3	40	11.738	60	2	48.23	4	9012	MAUI	7806	8	VD	542
	10	3	11	29	58.9594	1	4	51	39.282	64	58	59.93	4	9001	ORGAN PASS	7768	3	GL	433
	10	3	11	30	2.9594	1	4	57	51.655	66	13	11.61	4	9001	ORGAN PASS	7768	5	GL	434
	10	3	11	30	4.9594	1	5	1	8.667	66	49	25.78	4	9001	ORGAN PASS	7768	6	GL	435
	10	3	14	55	29.9109	1	0	41	18.863	60	25	38.18	4	9012	MAUI	7817	3	BN	2067
	10	3	14	55	39.9109	1	0	36	47.401	62	38	5.91	4	9012	MAUI	7817	8	BN	569
	10	4	9	57	59.9655	1	8	18	2.301	10	28	46.83	4	9001	ORGAN PASS	7783	2	VD	436
	10	4	11	43	55.3168	1	1	20	7.820	51	24	35.98	4	9001	ORGAN PASS	7788	4	VD	437
	10	4	11	44	1.3169	1	1	17	54.399	53	16	12.43	4	9001	ORGAN PASS	7788	7	VD	438
	10	4	11	44	3.3170	1	1	17	7.329	53	53	7.17	4	9001	ORGAN PASS	7788	8	VD	439
	10	4	15	9	2.9073	1	0	2	51.286	40	14	30.88	4	9012	MAUI	7838	3	MY	570
	10	4	15	9	12.9074	1	0	0	4.018	42	9	35.14	4	9012	MAUI	7838	8	MY	571
	10	5	10	12	46.0168	1	0	4	40.011	34	35	51.00	4	9010	JUPITER	7561	4	HC	537
	10	5	10	13	2.0174	1	23	59	44.773	37	37	55.37	4	9010	JUPITER	7561	8	HC	538
	10	6	10	29	1.4344	1	10	5	6.867	61	4	27.55	4	9001	ORGAN PASS	7800	11	GL	440
	10	7	10	42	56.8542	1	8	39	46.267	83	42	21.57	4	9001	ORGAN PASS	7818	5	DU	441
	10	7	10	43	0.8548	1	9	9	55.756	83	36	6.20	4	9001	ORGAN PASS	7818	7	DU	442
	10	7	10	43	2.8543	1	9	24	18.518	83	30	42.53	4	9001	ORGAN PASS	7818	8	DU	443
	10	7	10	43	4.8550	1	9	38	2.321	83	23	56.42	4	9001	ORGAN PASS	7818	9	DU	444
	10	7	10	43	8.8549	1	10	3	37.165	83	6	50.50	4	9001	ORGAN PASS	7818	11	DU	445
	10	7	10	43	10.8551	1	10	15	21.200	82	56	42.27	4	9001	ORGAN PASS	7818	12	DU	446
	10	8	10	58	1.4458	1	19	47	49.603	79	26	20.81	4	9001	ORGAN PASS	7837	2	BA	447
	10	8	10	58	9.4458	1	19	16	55.458	79	26	37.57	4	9001	ORGAN PASS	7837	4	BA	448
	10	8	10	58	13.4459	1	19	1	59.836	79	22	30.32	4	9001	ORGAN PASS	7837	5	BA	449
	10	9	18	7	57.8555	1	14	31	15.893	80	39	43.42	4	9005	TOKYO	6655	4	BO	518
	10	9	18	8	5.8568	1	14	26	19.206	79	19	4.70	4	9005	TOKYO	6655	5	BO	519
	10	24	0	21	18.1350	1	4	14	7.532	-39	54	27.53	4	9011	VILLA DOLO	7104	6	DM	3128
	10	24	10	43	24.3297	1	4	47	42.850	-49	44	53.60	4	9003	WOOMERA	11171	7	DU	2220
	10	24	12	28	32.6110	1	18	21	7.204	-55	5	33.81	4	9003	WOOMERA	11179	3	BO	527
	10	24	12	28	36.6107	1	18	26	17.440	-54	53	33.20	4	9003	WOOMERA	11179	4	BO	528
	10	24	12	28	40.6105	1	18	31	31.218	-54	40	12.91	4	9003	WOOMERA	11179	5	BO	529
	10	25	10	55	59.9937	1	7	24	29.028	-72	35	52.78	4	9003	WOOMERA	11200	4	BO	530
	10	25	10	56	7.9935	1	7	7	9.314	-72	17	5.78	4	9003	WOOMERA	11200	6	BO	531
	10	25	10	56	11.9935	1	6	58	34.713	-72	5	6.89	4	9003	WOOMERA	11200	7	BO	532
	10	25	10	56	15.9935	1	6	50	5.654	-71	51	24.40	4	9003	WOOMERA	11200	8	BO	533
	10	25	10	58	36.9029	1	3	50	23.124	-48	51	55.71	4	9003	WOOMERA	11201	2	DU	403
	10	25	10	58	42.9027	1	3	47	0.249	-47	27	28.65	4	9003	WOOMERA	11201	5	DU	404
	10	25	10	58	46.9027	1	3	44	51.732	-46	30	40.59	4	9003	WOOMERA	11201	7	DU	405

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.	MS	OBS.NO.
1962	10	25	12	42	26.6783	1	18	5	42.583	-38	56	4.48	4	9003	WOOMERA	11210 2	BA	406
	10	25	12	42	30.6783	1	18	8	39.545	-38	37	18.32	4	9003	WOOMERA	11210 3	BA	407
	10	25	12	42	38.6781	1	18	14	36.719	-37	57	31.62	4	9003	WOOMERA	11210 5	BA	408
	10	25	12	42	46.6779	1	18	20	37.709	-37	14	40.44	4	9003	WOOMERA	11210 7	BA	409
	10	25	12	42	50.6778	1	18	23	39.285	-36	52	6.17	4	9003	WOOMERA	11210 8	BA	410
	10	28	1	16	35.1781	1	17	33	12.610	-48	10	3.35	4	9011	VILLA DOLO	7166 5	PL	2068
	10	28	1	16	47.1779	1	17	45	19.500	-47	25	49.23	4	9011	VILLA DOLO	7166 8	PL	578
	10	28	1	19	20.3655	1	20	30	32.235	-20	17	43.38	4	9011	VILLA DOLO	7167 7	DM	577
	10	28	18	37	12.3165	1	20	11	10.342	-67	44	23.62	4	9002	OLIFANTS	9814 14	BA	1032
	10	28	23	45	12.6236	1	5	17	48.167	-74	11	29.32	4	9011	VILLA DOLO	7182 5	DM	576
	10	29	10	7	38.9955	1	6	48	9.749	-74	34	41.75	4	9003	WOOMERA	11255 9	DM	2221
	10	29	10	9	13.9937	1	3	47	15.267	-62	52	54.73	4	9003	WOOMERA	11256 5	BN	412
	10	29	10	9	21.7991	1	3	38	55.879	-61	16	47.41	4	9003	WOOMERA	11256 9	BN	413
	10	29	10	9	23.7503	1	3	36	58.311	-60	52	7.92	4	9003	WOOMERA	11256 10	BN	414
	10	29	10	9	29.6052	1	3	31	21.304	-59	36	39.75	4	9003	WOOMERA	11256 13	BN	415
	10	29	10	13	19.3188	1	2	15	24.531	- 4	15	31.25	4	9003	WOOMERA	11257 2	BN	416
	10	29	10	13	23.3186	1	2	15	8.038	- 3	29	34.84	4	9003	WOOMERA	11257 3	BN	417
	10	29	10	13	35.3182	1	2	14	24.915	- 1	15	40.16	4	9003	WOOMERA	11257 6	BN	418
	10	29	11	56	42.3408	1	19	29	46.744	-11	16	57.37	4	9003	WOOMERA	11265 3	HC	419
	10	30	0	4	33.1607	1	1	2	45.552	4	50	11.08	4	9011	VILLA DOLO	7204 7	DM	575
	10	31	0	19	38.6721	10	23	35	36.795	23	37	19.71	4	9011	VILLA DOLO	7237 6	DM	573
	10	31	0	19	42.6721	10	23	37	4.888	24	18	37.43	4	9011	VILLA DOLO	7237 7	DM	3129
	11	2	11	5	41.2584	1	17	7	1.965	-32	6	6.66	4	9003	WOOMERA	11320 6	SC	2970
	11	2	11	11	54.9011	1	20	48	38.078	33	16	6.87	4	9003	WOOMERA	11322 2	WS	2971
	11	2	11	11	58.9011	1	20	50	25.749	33	49	45.22	4	9003	WOOMERA	11322 3	SC	3097
	11	3	1	1	16.6327	1	18	27	36.892	-32	55	7.05	4	9007	AREQUIPA	7503 4	PB	2496
	11	3	1	1	32.6326	1	18	37	18.260	-30	8	1.76	4	9007	AREQUIPA	7503 8	PB	3053
	11	3	1	4	8.0206	1	20	5	58.282	9	18	47.84	4	9007	AREQUIPA	7504 8	CB	3054
	11	3	1	4	12.0205	1	20	8	5.359	10	27	49.94	4	9007	AREQUIPA	7504 10	CB	2499
	11	4	23	42	8.9632	1	18	40	56.435	-16	47	26.73	4	9011	VILLA DOLO	7287 9	FI	2968
	11	4	23	42	10.9633	1	18	42	37.933	-16	18	14.89	4	9011	VILLA DOLO	7287 10	FI	3094
	11	4	23	43	43.6813	1	19	54	4.451	7	40	56.01	4	9011	VILLA DOLO	7288 5	FI	3095
	11	4	23	43	47.6812	1	19	56	48.415	8	40	16.12	4	9011	VILLA DOLO	7288 7	FI	3096
	11	6	0	0	15.2450	1	20	18	16.423	-21	30	10.32	4	9007	AREQUIPA	7547 5	NG	2411
	11	6	0	0	17.2446	1	20	19	53.347	-20	46	9.78	4	9007	AREQUIPA	7547 6	NG	4506
	11	6	0	6	34.1753	1	22	59	51.239	-42	4	2.14	4	9009	CURACAO	6208 4	SE	2416
	11	6	0	6	40.1749	1	23	3	8.454	-40	48	45.50	4	9009	CURACAO	6208 7	SE	2417
	11	7	0	21	25.1346	1	20	45	9.580	-24	22	3.56	4	9009	CURACAO	6216 2	SE	3051
	11	7	0	21	29.1344	1	20	46	43.045	-23	21	14.96	4	9009	CURACAO	6216 4	SE	2419
	11	8	11	34	12.0677	1	14	21	6.792	56	8	42.25	4	9001	ORGAN PASS	8115 3	CB	1879
	11	8	11	34	16.0677	1	14	17	56.194	55	32	8.28	4	9001	ORGAN PASS	8115 5	CB	1880
	11	9	6	4	21.3373	1	20	36	5.115	3	41	14.90	4	9012	MAUI	8135 2	KA	1792
	11	9	6	4	23.3374	1	20	36	38.597	4	22	8.96	4	9012	MAUI	8135 3	KA	2973
	11	9	15	20	14.7464	1	13	26	3.625	49	44	35.25	4	9012	MAUI	8144 3	KA	2974
	11	9	15	20	16.7463	1	13	25	23.753	49	21	52.06	4	9012	MAUI	8144 4	KA	1795

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1962	11	9	23	19	2.7677	1	22	24	49.668	-26	16	17.89	4	9009	CURACAO	6241	3	SE	3052
	11	9	23	19	8.7676	1	22	28	18.616	-24	27	2.38	4	9009	CURACAO	6241	6	SE	2421
	11	10	12	3	46.0000	1	10	45	57.525	68	35	42.55	4	9001	ORGAN PASS	8155	8	CB	1881
	11	10	12	3	47.9999	1	10	46	22.049	68	0	31.41	4	9001	ORGAN PASS	8155	9	SE	1882
	11	10	23	34	7.7484	1	20	10	19.504	0	52	30.08	4	9009	CURACAO	6252	2	FI	2422
	11	10	23	34	15.7480	1	20	13	17.664	3	47	54.74	4	9009	CURACAO	6252	7	FI	2423
	11	11	6	35	14.9145	1	18	3	43.254	38	30	18.96	4	9012	MAUI	8167	3	SC	2941
	11	11	6	35	16.9146	1	18	3	14.608	38	53	27.25	4	9012	MAUI	8167	4	SC	2942
	11	11	12	19	28.0705	1	8	13	46.976	37	8	14.44	4	9001	ORGAN PASS	8175	4	SE	2963
	11	11	23	48	33.1994	1	18	35	19.203	9	48	0.98	4	9009	CURACAO	6268	2	SS	2424
	11	11	23	48	41.1995	1	18	36	5.420	11	53	58.00	4	9009	CURACAO	6268	4	SS	2425
	11	11	23	55	12.3930	1	2	47	7.494	46	17	45.87	4	9010	JUPITER	7836	8	NG	7449
	11	11	23	55	20.3931	1	2	54	45.966	47	7	3.87	4	9010	JUPITER	7836	10	NG	7450
	11	12	15	31	8.9965	1	2	18	11.554	70	48	50.82	4	9008	SHIRAZ	10027	7	CB	2413
	11	12	19	27	6.2325	1	7	28	34.218	50	2	59.76	4	9005	TOKYO	6865	4	WS	2409
	11	12	19	27	16.2326	1	7	41	7.020	46	47	0.26	4	9005	TOKYO	6865	9	WS	2410
	11	12	22	55	18.3938	1	12	1	35.201	55	28	25.49	4	9006	NAIN TAL	5319	4	BZ	1717
	11	13	13	58	6.5695	1	19	18	49.797	15	58	37.60	4	9006	NAIN TAL	5326	3	BZ	1718
	11	13	13	58	18.5695	1	19	19	0.588	19	34	3.24	4	9006	NAIN TAL	5326	6	BZ	1719
	11	13	14	2	16.0818	1	15	52	46.160	85	14	22.63	4	9006	NAIN TAL	5327	5	BZ	1720
	11	13	14	2	24.0824	1	14	43	26.560	85	48	19.33	4	9006	NAIN TAL	5327	7	BZ	1721
	11	13	23	10	28.4281	1	9	35	48.435	46	39	5.06	4	9006	NAIN TAL	5339	5	BZ	1722
	11	13	23	10	36.4282	1	9	39	25.384	43	44	11.94	4	9006	NAIN TAL	5339	7	KA	4505
	11	14	14	13	19.4525	1	18	8	56.705	29	19	28.17	4	9006	NAIN TAL	5350	4	KA	1724
	11	14	14	13	27.4523	1	18	7	10.274	31	10	38.01	4	9006	NAIN TAL	5350	6	KA	1725
	11	14	14	17	42.3920	1	13	53	21.399	74	4	9.79	4	9006	NAIN TAL	5351	5	TJ	1726
	11	14	23	22	37.4327	1	3	41	10.295	59	54	45.14	4	9006	NAIN TAL	5361	2	TJ	1727
	11	14	23	22	53.4333	1	4	5	1.460	58	41	4.39	4	9006	NAIN TAL	5361	6	TJ	2940
	11	15	5	44	39.2339	1	17	39	19.339	14	21	53.32	4	9012	MAUI	8212	4	NG	2433
	11	15	5	44	43.2338	1	17	39	1.383	15	3	52.13	4	9012	MAUI	8212	6	NG	2434
	11	15	12	39	42.7943	1	21	43	46.416	-19	2	8.00	4	9006	NAIN TAL	5365	5	SS	1729
	11	15	12	39	46.7946	1	21	45	53.207	-18	7	3.66	4	9006	NAIN TAL	5365	6	SS	1730
	11	15	12	41	41.1594	1	23	4	18.420	16	50	34.11	4	9006	NAIN TAL	5366	4	SS	1893
	11	15	14	27	33.3140	1	17	38	24.129	25	34	32.64	4	9006	NAIN TAL	5372	6	SS	4860
	11	15	14	27	37.3140	1	17	37	32.820	26	15	9.89	4	9006	NAIN TAL	5372	7	SS	3093
	11	15	21	53	52.6845	1	11	50	5.893	29	39	23.27	4	9006	NAIN TAL	5379	1	HB	2486
	11	15	21	53	56.6848	1	11	49	16.376	28	48	40.24	4	9006	NAIN TAL	5379	2	HB	2487
	11	15	21	56	1.7058	1	11	34	31.150	4	59	44.40	4	9006	NAIN TAL	5380	1	SC	2488
	11	16	8	20	56.3040	1	12	3	29.867	41	32	26.44	4	9009	CURACAO	6301	2	CB	2426
	11	16	8	21	4.3040	1	12	2	52.921	39	54	19.43	4	9009	CURACAO	6301	4	CB	2427
	11	16	22	9	56.7752	1	10	46	46.245	5	24	55.18	4	9006	NAIN TAL	5387	4	SC	2490
	11	16	22	10	6.3340	1	10	46	58.731	3	17	39.91	4	9006	NAIN TAL	5387	6	SC	4508
	11	16	23	53	29.7000	1	4	26	47.869	7	32	31.35	4	9006	NAIN TAL	5395	3	SC	2492
	11	16	23	53	38.2496	1	4	31	6.305	6	3	36.65	4	9006	NAIN TAL	5395	5	SC	2493
	11	16	23	57	5.8707	1	6	3	21.948	-29	29	53.42	4	9006	NAIN TAL	5396	3	PB	2494

CATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.		MS	OBS.NO.
1962	11	16	23	57	36.9526	1	6	15	5.934	-33	46	53.24	4	9006	NAIN TAL	5396	8	PB	2495
	11	17	1	3	31.4107	1	21	58	3.193	24	6	4.20	4	9001	ORGAN PASS	8218	5	FI	2088
	11	17	1	3	37.4107	1	22	3	16.242	26	24	34.41	4	9001	ORGAN PASS	8218	8	FI	2965
	11	17	5	6	24.5671	1	6	42	42.442	-26	54	26.53	4	9004	SAN FERNAN	6886	4	KA	3050
	11	17	5	6	32.5673	1	6	46	14.092	-27	58	51.24	4	9004	SAN FERNAN	6886	6	KA	2404
	11	17	13	46	34.8598	1	11	27	20.032	8	28	32.69	4	9012	MAUI	8239	3	NG	2439
	11	18	1	17	45.5384	1	19	24	12.970	29	1	31.29	4	9001	ORGAN PASS	8225	4	FI	2090
	11	18	1	17	51.5558	1	19	25	16.317	31	14	36.93	4	9001	ORGAN PASS	8225	7	FI	2091
	11	18	10	33	25.3383	1	4	55	48.665	-16	18	20.87	4	9010	JUPITER	7901	4	NG	7451
	11	19	1	32	50.2936	1	17	43	11.898	39	59	58.68	4	9001	ORGAN PASS	8233	3	FI	2092
	11	19	1	32	54.2934	1	17	42	0.124	41	5	31.72	4	9001	ORGAN PASS	8233	5	FI	2966
	11	19	9	7	40.6196	1	7	7	26.371	-34	17	34.14	4	9009	CURACAO	6326	3	CB	2428
	11	19	9	7	44.6192	1	7	9	25.725	-35	13	19.55	4	9009	CURACAO	6326	5	CB	2429
	11	20	1	47	8.6606	1	16	58	24.652	34	8	26.87	4	9001	ORGAN PASS	8243	3	FI	2967
	11	20	1	47	12.6620	1	16	57	7.075	34	55	37.46	4	9001	ORGAN PASS	8243	5	FI	2095
	11	26	17	49	15.7983	1	10	26	17.593	3	15	1.99	4	9003	WOOMERA	11605	7	SC	1787
	11	26	17	49	17.7983	1	10	27	32.275	2	48	13.39	4	9003	WOOMERA	11605	8	SC	1788
	11	27	0	41	12.3409	1	9	40	53.550	27	36	25.13	4	9002	OLIFANTS	10038	7	FI	2096
	11	27	0	41	28.3410	1	9	47	59.814	24	46	52.79	4	9002	OLIFANTS	10038	11	FI	2097
	11	27	18	3	43.5189	1	9	9	22.161	- 7	41	42.54	4	9003	WOOMERA	11623	9	TJ	4640
	11	28	7	55	54.0716	1	7	7	42.307	-35	17	30.76	4	9011	VILLA DOLO	7525	5	FI	2969
	11	28	7	55	56.0715	1	7	9	2.915	-36	6	41.09	4	9011	VILLA DOLO	7525	6	FI	2102
	11	28	18	18	33.4429	1	7	7	32.235	-31	28	47.41	4	9003	WOOMERA	11639	3	WS	3099
	11	29	18	33	11.2543	1	4	43	19.825	-39	14	47.63	4	9003	WOOMERA	11656	2	WS	2972
	11	29	18	33	23.2539	1	4	42	5.412	-43	19	11.79	4	9003	WOOMERA	11656	8	WS	1790
	12	3	17	45	40.3809	1	3	28	55.768	-56	43	18.64	4	9003	WOOMERA	11687	4	MW	4437
	12	3	17	45	42.3809	1	3	28	1.795	-57	18	45.18	4	9003	WOOMERA	11687	5	MW	4438
	12	5	16	29	33.6961	1	10	48	50.076	-58	28	50.58	4	9003	WOOMERA	11713	9	HC	4439
	12	5	18	14	31.8278	1	1	50	46.971	-41	12	21.63	4	9003	WOOMERA	11718	6	HC	5789
	12	5	18	14	35.8278	1	1	48	58.290	-41	51	4.06	4	9003	WOOMERA	11718	7	HC	5790
	12	7	16	56	58.0990	1	2	36	39.647	-51	6	41.88	4	9003	WOOMERA	11743	3	MW	4440
	12	7	16	57	8.0989	1	2	31	55.349	-53	55	46.57	4	9003	WOOMERA	11743	8	MW	6408
	12	7	16	59	30.9052	1	21	58	13.626	-79	27	41.04	4	9003	WOOMERA	11744	3	BA	4346
	12	7	16	59	54.9043	1	20	32	47.349	-78	53	28.12	4	9003	WOOMERA	11744	9	BA	4347
	12	8	15	26	32.9316	1	10	25	42.425	-39	35	22.39	4	9003	WOOMERA	11758	3	BA	4348
	12	8	15	26	48.9316	1	10	41	14.652	-41	32	42.21	4	9003	WOOMERA	11758	7	BA	4349
	12	8	17	13	20.3795	1	0	4	55.478	-63	32	51.41	4	9003	WOOMERA	11763	4	BA	4350
	12	8	17	13	36.3792	1	23	43	45.895	-65	24	15.58	4	9003	WOOMERA	11763	8	BA	4351
	12	9	15	41	16.6548	1	10	28	0.493	-64	18	34.62	4	9003	WOOMERA	11773	11	BA	5324
	12	9	15	41	18.6548	1	10	31	55.409	-64	24	31.69	4	9003	WOOMERA	11773	12	BA	4353
	12	13	4	30	4.0264	1	10	2	9.584	-70	54	19.33	4	9011	VILLA DOLO	7617	6	PG	4714
	12	13	4	30	8.0263	1	10	12	43.803	-70	58	21.83	4	9011	VILLA DOLO	7617	7	PG	4819
	12	13	14	52	35.4111	1	9	14	53.814	-68	35	31.11	4	9003	WOOMERA	11839	3	DU	4771
	12	13	14	52	47.4109	1	9	44	37.915	-69	14	41.86	4	9003	WOOMERA	11839	9	DU	4355
	12	15	15	22	35.8596	1	21	19	7.027	-74	25	6.34	4	9003	WOOMERA	11878	5	DU	4356

DATE Y	M	D	TIME (A-1) H	M	S	RMS MS	R.A.(1950.0) H	M	S	DECL.(1950.0) D	M	S	RMS S	STATION		FRAME NO.	MS	OBS.NO.
1962	12	15	15	22	39.8595	1	21	9	6.257	-74	34	47.31	4	9003	WOOMERA	11878 6	DU	4357
	12	16	3	27	34.8328	1	10	13	3.697	-53	27	22.92	4	9011	VILLA DOLO	7640 7	PG	4820
	12	16	3	27	38.8330	1	10	17	50.594	-53	37	58.95	4	9011	VILLA DOLO	7640 8	PG	4821
	12	18	14	17	21.5512	1	1	26	53.251	-60	24	46.78	4	9003	WOOMERA	11904 4	DU	4358
	12	18	14	17	23.5512	1	1	26	10.470	-61	2	7.04	4	9003	WOOMERA	11904 5	DU	4359
	12	18	21	13	24.1793	1	17	5	18.714	-87	58	38.70	4	9002	OLIFANTS	10279 11	MW	3078
	12	19	4	10	1.7396	1	23	5	17.559	-62	12	53.96	4	9011	VILLA DOLO	7691 8	PG	4718
	12	19	14	31	9.0866	1	0	14	20.689	-41	23	55.91	4	9003	WOOMERA	11926 2	BA	4360
	12	19	14	31	11.0866	1	0	13	30.138	-41	51	21.13	4	9003	WOOMERA	11926 3	BA	4361
	12	20	13	0	20.5505	1	7	22	8.902	-46	16	43.04	4	9003	WOOMERA	11941 2	RO	4362
	12	20	13	0	28.5504	1	7	33	19.105	-47	47	48.07	4	9003	WOOMERA	11941 6	RO	4363
	12	20	14	44	52.2662	1	23	54	47.962	-29	4	36.62	4	9003	WOOMERA	11946 6	RO	4445
	12	21	13	13	52.2493	1	3	21	45.621	-50	18	9.77	4	9003	WOOMERA	11967 3	RO	4446
	12	21	13	13	58.2491	1	3	26	49.910	-52	37	43.06	4	9003	WOOMERA	11967 6	RO	4447
	12	21	19	42	39.4058	1	15	39	18.957	79	8	49.70	4	9004	SAN FERNAN	7174 5	MW	4442
	12	23	1	33	1.9266	1	6	5	58.303	- 7	4	32.42	4	9011	VILLA DOLO	7731 7	PG	4719
	12	23	11	55	13.2577	1	5	39	59.386	3	6	6.67	4	9003	WOOMERA	12002 3	LO	4823
	12	23	11	55	28.9246	1	5	51	4.825	- 0	55	49.85	4	9003	WOOMERA	12002 11	LO	5321
	12	24	1	25	51.8171	1	5	44	16.039	33	48	33.46	4	9001	ORGAN PASS	8609 5	MW	4432
	12	24	1	25	55.8170	1	5	43	7.362	32	58	26.34	4	9001	ORGAN PASS	8609 6	MW	4433
	12	24	1	45	12.1090	1	2	56	37.173	18	24	39.94	4	9011	VILLA DOLO	7750 2	PG	4720
	12	25	8	32	50.7254	1	5	57	59.245	49	41	45.03	4	9005	TOKYO	7215 6	BN	4824
	12	28	12	46	34.7619	1	3	50	57.143	24	20	24.57	4	9006	NAIN TAL	5893 10	RO	4443
	12	28	14	29	51.3848	1	20	54	37.973	19	21	57.41	4	9006	NAIN TAL	5895 8	RO	4444
	12	30	1	5	37.1513	1	1	11	45.809	50	22	22.46	4	9001	ORGAN PASS	8645 7	MW	4822
	12	30	11	54	35.3231	1	17	16	51.358	-76	38	49.31	4	9003	WOOMERA	12083 8	RO	4448